

LUXIONA

LUXIONA Poland catalogue

DOWNLIGHTS

INDEX



• Product made accordingly with European standards



• Electronic control gear



• Light source



• Protection against water IP



• 1st electric isolation class



• 2nd electric isolation class



• 3rd electric isolation class



• Restriction of Hazardous Substances



• Luminaire to use inside of buildings or outside under a roof covering



• Disposal of electro waste to standard waste bin is forbidden.



• Short-circuit proof safety isolating transformer



• Independent apparatus



• Apparatus for building-in into furniture



• Product compliance with European standards EN regarding of the safety of the electrical equipment



• The product has Kema-Keur certification



REPLACEMENT

This vignette shows what wattage you need to replace a conventional halogen lamp with LED.



COLOR TUNE TECHNOLOGY

This vignette shows that this product can be tuned from cool white to warm white.



TE CONNECTIVITY

This vignette shows that the product is equipped with the new NECTOR S plug system. NECTOR S is a registered trademark of TE connectivity.



ECO SOLUTION

This vignette shows that you have chosen an environmentally friendly lighting product.

LUXIONA Poland is part of the Spanish LUXIONA Group, which for more than 80 years has been successfully operating on the international market of the lighting industry. The mission of LUXIONA Poland is to create complementary lighting solutions, in accordance with the most recent technologies as well as legal and social requirements. For that reason, an active team constantly works on innovative technical solutions, keeping in mind the need for saving energy and protecting the environment. The team does not cease to enhance the quality of our products and the efficiency of our services, permanently analyzing the needs of our Customers.

The LUXIONA Group, including LUXIONA Poland which continues to implement the Group strategy, specializes in the composition and creation of indoor and outdoor lighting systems, basing on the vast experts' experience and the broad scope of product brands. An integral part in the offer of LUXIONA Poland are comprehensive lighting solutions, which cover both the production and design services, in the widest sense of the word, delivered by high class designers and ready to meet the requirements of, among others: architectural spaces, areas in the so-called clean rooms, commercial surfaces etc. LUXIONA Poland hires professionals from the lighting industry having vast experience in the business. In managing a project, the team of LUXIONA Poland guarantees the application of the best possible technical solutions in the area of ultimate use of lighting solutions.

INDEX: HV DOWNLIGHTS

page 2 - 3LEGEND

page 5 - 13 **DOWNLIGHTS HV**

Beryl FX 75 / 90 / 185 HV
75 fixed / 90 adjustable



Beryl CR 75 / 90 / 185 HV
75 fixed / 90 adjustable

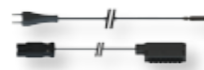


Beryl F / Beryl Ln 75 HV
fixed



DIMMER
compatibility

HV PLUG & PLAY
installation



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Comparison light output

Halogen 50W 230V	= 50W (6-8 Lm/W)	= 300-400 Lm
Halogen 50W 12V	= 50W (12-16 Lm/W)	= 600-800 Lm
Fluorescent lamps TC-DEL 2x18W	= 36W (38-46 Lm/W)	= 1368-1656 Lm
Fluorescent lamps TC-DEL 2x26W	= 52W (38-46 Lm/W)	= 1976-2392 Lm
Discharge metal halide lamp HI-T 70W	= 70W (42-51 Lm/W)	= 2940-3570 Lm
Discharge metal halide lamp HI-T 35W	= 35W (42-51 Lm/W)	= 1470-1785 Lm

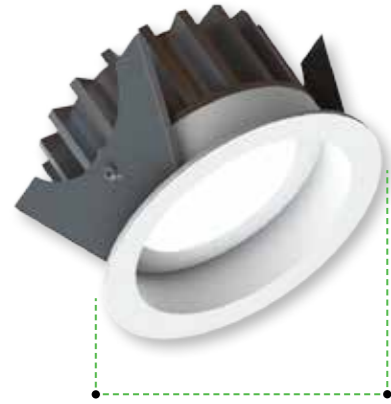
HV DOWNLIGHTS

BENEFITS

- Revolutionary AC LED technology
- Can be connected directly to 220-240V outlets (no converter needed), which ensures high reliability
- Integrated NECTOR S plug system for Plug & Play installation (NECTOR is an official TE Connectivity Trademark)

FEATURES

- Dimmable with most dimmers
- Fits in standard ceiling apertures
- Low recess depth
- Suitable for concrete and false ceilings
- Powered by high quality Energy Star LED Type
- Consistent color between each downlight
- Homogeneous light beam
- Antiglare protection
- No heat and UV radiation
- Waterproof front
- Comply with the latest Powerfactor norms (0.90)
- EMC test report available
- CE/ CB test report by Dekra Netherlands available



Ø 90 mm



Fix

Adjustable

Specifications	Beryl FX 75 HV Fix	Beryl FX 90 HV Adj.
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006	
Input voltage	220-240V~ 50/60 Hz	
Inrush current	400 Lm / 600 Lm	
Color Rendering Index (CRI)	82	
Beam angle	Fix = 60°	Adj. 400Lm=24° / 600Lm=60°
Material	Aluminium	
Environment	Indoor, outdoor	
Protection against water	IP20/IP44	
Protection against shock	IK02	
Powerfactor (Pf)	400 Lm = 0,91 / 600 Lm = 0,98	
Dimmable	Yes, see dimmer compatibility at page 12	
Operating temperature	-20°C / +45°C	
Safety norms	EN60598 / EN62031 / EN62471	
EMC norms	EN55015	
Quantity single package	1 pc	
Weight single package	Fix = 260 g	Adj. = 283 g
Dimensions single package	105x105x61 mm	105x105x105 mm
Quantity per carton	42 pcs	35 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	600x400x400 mm (0.096m³)
Quantity per pallet	1344 pcs	560 pcs
Expected lifetime at 25°C (L70)	400 Lm = 49.000 hrs / 600 Lm = 50.000 hrs	
Warranty	3 years	

All values are measured at 230V (+/- 7%)

Product variations

Description	Article no. DIMMABLE	W	Efficacy
Beryl FX 75 HV-400 Lm 3000K Fix 60°	06IL807000XX4902	9W	45 Lm/W
Beryl FX 90 HV-400 Lm 3000K Adj. 24°	06IL808400XX4902	9W	45 Lm/W
Beryl FX 75 HV-600 Lm 2700K Fix 60°	06IL807600XX4802	11W	55 Lm/W
Beryl FX 75 HV-600 Lm 3000K Fix 60°	06IL807600XX4902	11W	55 Lm/W
Beryl FX 75 HV-600 Lm 4000K Fix 60°	06IL807600XX5002	11W	55 Lm/W
Beryl FX 90 HV-600 Lm 2700K Adj. 60°	06IL808600XX4802	11W	55 Lm/W
Beryl FX 90 HV-600 Lm 3000K Adj. 60°	06IL808600XX4902	11W	55 Lm/W
Beryl FX 90 HV-600 Lm 4000K Adj. 60°	06IL808600XX5002	11W	55 Lm/W

All values are measured at 230V (+/- 7%)

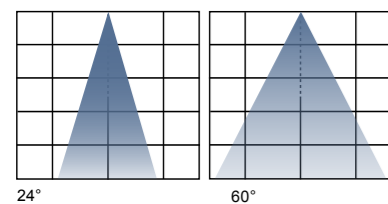
Measurements



IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

For more information see Plug & Play installation at page 13

Photometrics



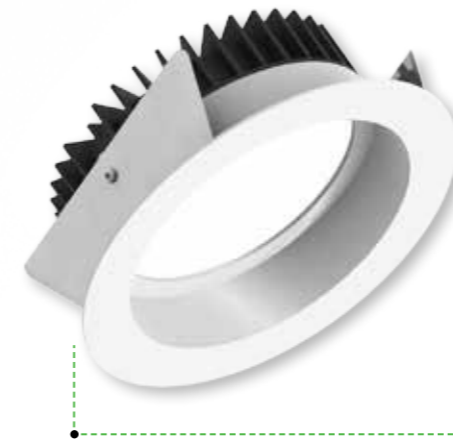
24°

60°

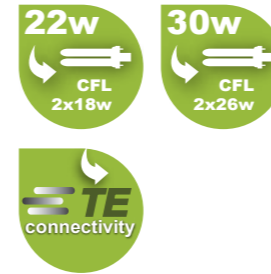
Expected lifetime data

Test information	Tj 220V	Expected Lifetime	Tj 230V	Expected Lifetime	Tj 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	83°C	50.000 hrs	83°C	50.000 hrs	83°C	50.000 hrs
Test data from LED supplier	93°C	42.000 hrs	93°C	42.000 hrs	93°C	42.000 hrs
Beryl FX 75 HV-400 Lm	81°C	50.000 hrs	85°C	49.000 hrs	89°C	45.000 hrs
Beryl FX 75 HV-600 Lm	75°C	50.000 hrs	77°C	50.000 hrs	79°C	50.000 hrs

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)



Ø 230 mm



For more information see Plug & Play installation at page 13

Specifications	Beryl FX 185 HV
Color	Matt white RAL 9016
Input voltage	220-240V~ 50/60 Hz
Inrush current	1250 Lm / 2000 Lm
Color Rendering Index (CRI)	82
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20/IP44
Protection against shock	IK02
Powerfactor (Pf)	>0,98
Max. Quantity per Type B 16 Amp	300 pcs
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	1265 g
Dimensions single package	233x233x85 mm
Quantity per carton	20 pcs
Dimensions carton	800x600x300 mm (0.144 m³)
Quantity per pallet	240 pcs
Expected lifetime at 25°C (L70)	50.000 hrs
Warranty	3 years

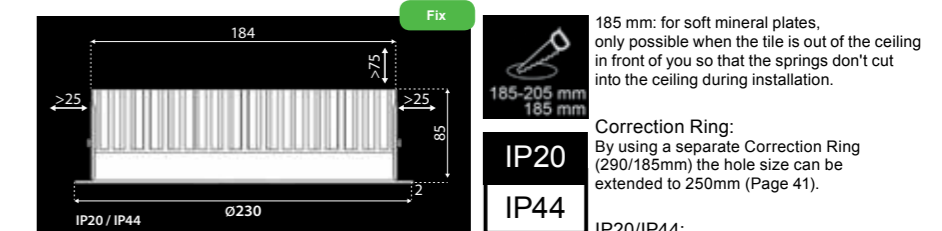
All values are measured at 230V (+/- 7%)

Product variations

Description	Article no. DIMMABLE	W	Efficacy
Beryl FX 185 HV-1250 Lm 2700K	06IL827100MW4802	24W	52 Lm/W
Beryl FX 185 HV-1250 Lm 3000K	06IL827100MW4902	22W	57 Lm/W
Beryl FX 185 HV-1250 Lm 4000K	06IL827100MW5002	20W	63 Lm/W
Beryl FX 185 HV-2000 Lm 2700K	06IL827900MW4802	33W	60 Lm/W
Beryl FX 185 HV-2000 Lm 3000K	06IL827900MW4902	30W	65 Lm/W
Beryl FX 185 HV-2000 Lm 4000K	06IL827900MW5002	28W	72 Lm/W

All values are measured at 230V (+/- 7%)

Measurements



185 mm: for soft mineral plates, only possible when the tile is out of the ceiling in front of you so that the springs don't cut into the ceiling during installation.

Correction Ring: By using a separate Correction Ring (290/185mm) the hole size can be extended to 250mm (Page 41).

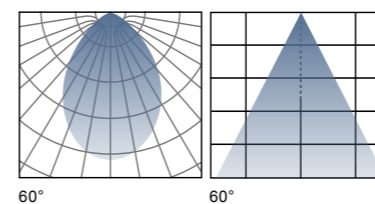
IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Expected lifetime data

Test information	Tj 220V	Expected Lifetime	Tj 230V	Expected Lifetime	Tj 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	63°C	50.000 hrs	63°C	50.000 hrs	63°C	50.000 hrs
Test data from LED supplier	93°C	27.000 hrs	93°C	27.000 hrs	93°C	27.000 hrs
Beryl FX 185 HV-1250 Lm	46°C	50.000 hrs	47°C	50.000 hrs	48°C	50.000 hrs
Beryl FX 185 HV-2000 Lm	62°C	50.000 hrs	63°C	50.000 hrs	64°C	49.000 hrs

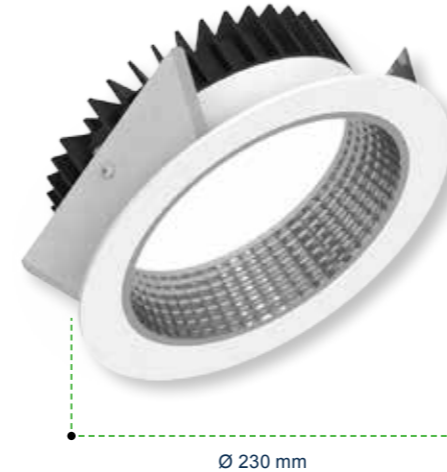
* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

Photometrics



60°

60°

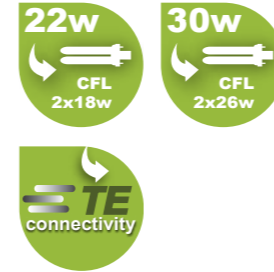
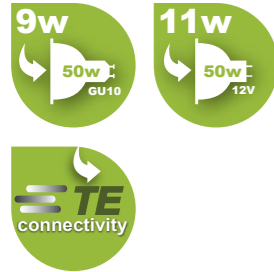


Specifications	Beryl CR 75 HV Fix	Beryl CR 90 HV Adj.
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006	
Input voltage	220-240V~ 50/60 Hz	
Inrush current	400 Lm / 600 Lm	
Color Rendering Index (CRI)	82	
Beam angle	Fix = 60°	Adj. 400Lm = 24° / 600Lm = 60°
Material	Aluminium	
Environment	Indoor, outdoor	
Protection against water	IP20/IP44	
Protection against shock	IK02	
Powerfactor (P _f)	400 Lm = 0,91 / 600 Lm = 0,98	
Max. Quantity per Type B 16Amp	300 pcs	
Dimmable	Yes, see dimmer compatibility at page 12	
Operating temperature	-20°C / +45°C	
Safety norms	EN60598 / EN62031 / EN62471	
EMC norms	EN55015	
Quantity single package	1 pc	
Weight single package	Fix = 320 g	Adj. = 343 g
Dimensions single package	105x105x61 mm	105x105x105 mm
Quantity per carton	42 pcs	35 pcs
Dimensions carton	400x300x380 mm (0.046 m ³)	600x400x400 mm (0.096m ³)
Quantity per pallet	1344 pcs	560 pcs
Expected lifetime at 25°C (L70)	400 Lm = 49.000 hrs / 600 Lm = 50.000 hrs	
Warranty	3 years	

All values are measured at 230V (+/- 7%)

Specifications	Beryl CR 185 HV
Color	Matt white RAL 9016
Input voltage	220-240V~ 50/60 Hz
Inrush current	1250 Lm / 2000 Lm
Color Rendering Index (CRI)	82
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20/IP44
Protection against shock	IK02
Powerfactor (P _f)	>0,98
Maksymalna Quantity na obwód Type B 16 Amp	300 pcs
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	1335 g
Dimensions single package	233x233x85 mm
Quantity per carton	20 pcs
Dimensions carton	800x600x300 mm (0,144 m ³)
Quantity per pallet	240 pcs
Expected lifetime at 25°C (L70)	50.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)



Product variations

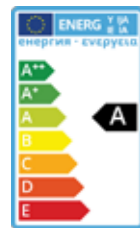
Description	Article no. DIMMABLE	W	Efficacy
Beryl CR 75 HV-400 Lm 3000K Fix 60°	06IL947000XX4902	9W	45 Lm/W
Beryl CR 90 HV-400 Lm 3000K Adj. 24°	06IL948400XX4902	9W	45 Lm/W
Beryl CR 75 HV-600 Lm 2700K Fix 60°	06IL947600XX4802	11W	55 Lm/W
Beryl CR 75 HV-600 Lm 3000K Fix 60°	06IL947600XX4902	11W	55 Lm/W
Beryl CR 75 HV-600 Lm 4000K Fix 60°	06IL947600XX5002	11W	55 Lm/W
Beryl CR 90 HV-600 Lm 2700K Adj. 60°	06IL948600XX4802	11W	55 Lm/W
Beryl CR 90 HV-600 Lm 3000K Adj. 60°	06IL948600XX4902	11W	55 Lm/W
Beryl CR 90 HV-600 Lm 4000K Adj. 60°	06IL948600XX5002	11W	55 Lm/W

All values are measured at 230V (+/- 7%)

Product variations

Description	Article no. DIMMABLE	W	Efficacy
Beryl CR 185 HV-1250 Lm 2700K	06IL957100MW4802	24W	52 Lm/W
Beryl CR 185 HV-1250 Lm 3000K	06IL957100MW4902	22W	57 Lm/W
Beryl CR 185 HV-1250 Lm 4000K	06IL957100MW5002	20W	63 Lm/W
Beryl CR 185 HV-2000 Lm 2700K	06IL957900MW4802	33W	60 Lm/W
Beryl CR 185 HV-2000 Lm 3000K	06IL957900MW4902	30W	65 Lm/W
Beryl CR 185 HV-2000 Lm 4000K	06IL957900MW5002	28W	72 Lm/W

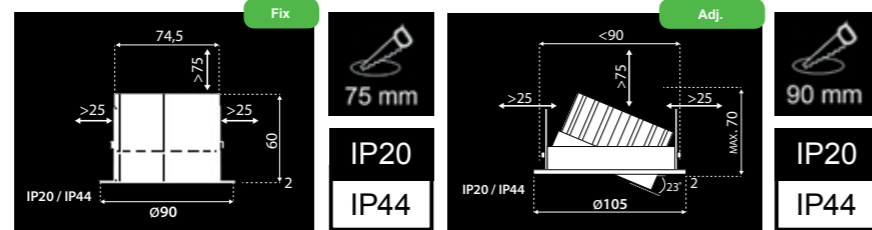
All values are measured at 230V (+/- 7%)



For more information see Plug & Play installation at page 13

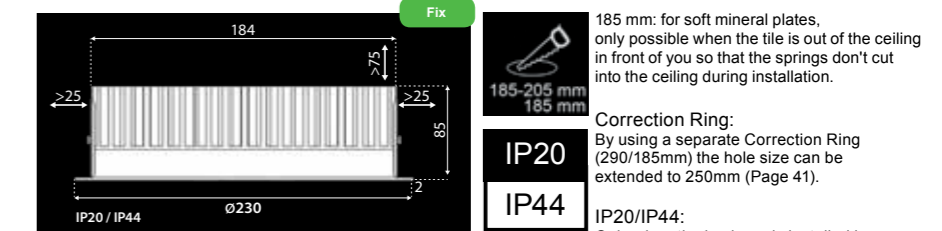
For more information see Plug & Play installation at page 13

Measurements



IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

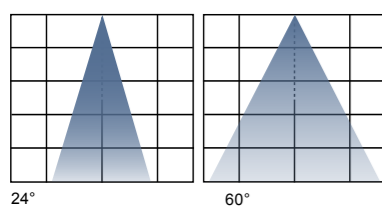
Measurements



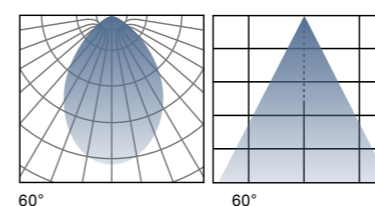
Correction Ring: By using a separate Correction Ring (290/185mm) the hole size can be extended to 250mm (Page 41).

IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Photometrics



Photometrics



Expected lifetime data

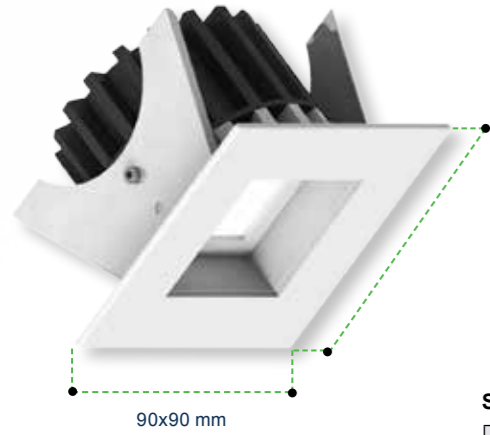
Test information	T _j 220V	Expected Lifetime	T _j 230V	Expected Lifetime	T _j 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	83°C	50.000 hrs	83°C	50.000 hrs	83°C	50.000 hrs
Test data from LED supplier	93°C	42.000 hrs	93°C	42.000 hrs	93°C	42.000 hrs
Beryl CR 75 HV-400 Lm	81°C	50.000 hrs	85°C	49.000 hrs	89°C	45.000 hrs
Beryl CR 75 HV-600 Lm	75°C	50.000 hrs	77°C	50.000 hrs	79°C	50.000 hrs

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

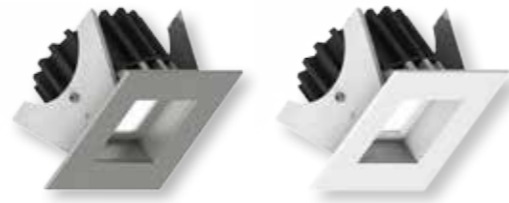
Expected lifetime data

Test information	T _j 220V	Expected Lifetime	T _j 230V	Expected Lifetime	T _j 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	63°C	50.000 hrs	63°C	50.000 hrs	63°C	50.000 hrs
Test data from LED supplier	93°C	27.000 hrs	93°C	27.000 hrs	93°C	27.000 hrs
Beryl CR 185 HV-1250 Lm	46°C	50.000 hrs	47°C	50.000 hrs	48°C	50.000 hrs
Beryl CR 185 HV-2000 Lm	62°C	50.000 hrs	63°C	50.000 hrs	64°C	49.000 hrs

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)



90x90 mm



Ø 90 mm



Specifications

Beryl F 75 HV	
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006
Input voltage	220-240V~ 50/60 Hz
Inrush current	400 Lm / 600 Lm
Color Rendering Index (CRI)	82
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20/IP44
Protection against shock	IK02
Powerfactor (Pf)	400 Lm = 0,91 / 600 Lm = 0,98
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	292 g
Dimensions single package	105x105x61 mm
Quantity per carton	42 pcs
Dimensions carton	400x300x380 mm (0.046 m³)
Quantity per pallet	1344 pcs
Expected lifetime at 25°C (L70)	400 Lm = 49.000 hrs / 600 Lm = 50.000 hrs
Warranty	3 years

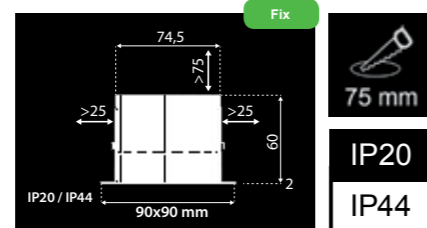
All values are measured at 230V (+/- 7%)

Product variations

Description	Article no. DIMMABLE	W	Efficacy
Beryl F 75 HV-400 Lm 3000K Fix 60°	06IL837000XX4902	9W	45 Lm/W
Beryl F 75 HV-600 Lm 2700K Fix 60°	06IL837600XX4802	11W	55 Lm/W
Beryl F 75 HV-600 Lm 3000K Fix 60°	06IL837600XX4902	11W	55 Lm/W
Beryl F 75 HV-600 Lm 4000K Fix 60°	06IL837600XX5002	11W	55 Lm/W

All values are measured at 230V (+/- 7%)

Measurements

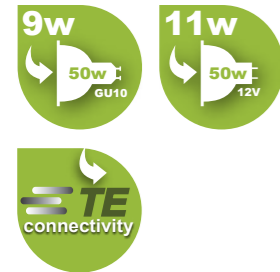


IP20/IP44:
Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Expected lifetime data

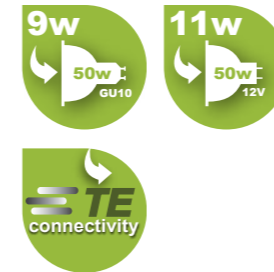
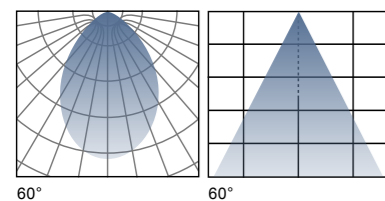
Test information	Tj 220V	Expected Lifetime	Tj 230V	Expected Lifetime	Tj 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	83°C	50.000 hrs	83°C	50.000 hrs	83°C	50.000 hrs
Test data from LED supplier	93°C	42.000 hrs	93°C	42.000 hrs	93°C	42.000 hrs
Beryl F 75 HV-400 Lm	81°C	50.000 hrs	85°C	49.000 hrs	89°C	45.000 hrs
Beryl F 75 HV-600 Lm	75°C	50.000 hrs	77°C	50.000 hrs	79°C	50.000 hrs

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)



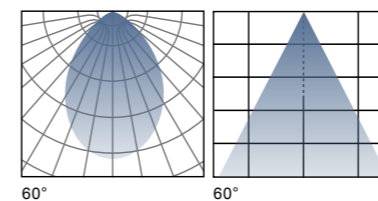
For more information see
Plug & Play installation at page 13

Photometrics



For more information see
Plug & Play installation at page 13

Photometrics



Specifications

Beryl Ln 75 HV	
Color	Matt white RAL 9016
Input voltage	220-240V~ 50/60 Hz
Inrush current	400 Lm / 600 Lm
Color Rendering Index (CRI)	82
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20/IP44
Protection against shock	IK02
Powerfactor (Pf)	400 Lm = 0,91 / 600 Lm = 0,98
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	260 g
Dimensions single package	105x105x61 mm
Quantity per carton	42 pcs
Dimensions carton	400x300x380 mm (0.046 m³)
Quantity per pallet	1344 pcs
Expected lifetime at 25°C (L70)	400 Lm = 49.000 hrs / 600 Lm = 50.000 hrs
Warranty	3 years

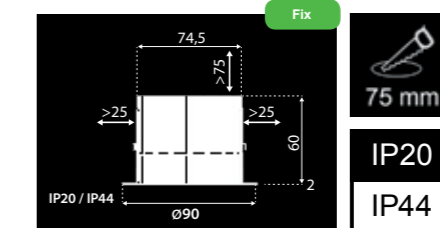
All values are measured at 230V (+/- 7%)

Product variations

Description	Article no. DIMMABLE	W	Efficacy
Beryl Ln 75 HV-400 Lm 3000K Fix 60°	06IL917000MW4902	9W	45 Lm/W
Beryl Ln 75 HV-600 Lm 2700K Fix 60°	06IL917600MW4802	11W	55 Lm/W
Beryl Ln 75 HV-600 Lm 3000K Fix 60°	06IL917600MW4902	11W	55 Lm/W
Beryl Ln 75 HV-600 Lm 4000K Fix 60°	06IL917600MW5002	11W	55 Lm/W

All values are measured at 230V (+/- 7%)

Measurements



IP20/IP44:
Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Expected lifetime data

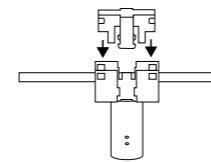
Test information	Tj 220V	Expected Lifetime	Tj 230V	Expected Lifetime	Tj 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	83°C	50.000 hrs	83°C	50.000 hrs	83°C	50.000 hrs
Test data from LED supplier	93°C	42.000 hrs	93°C	42.000 hrs	93°C	42.000 hrs
Beryl Ln 75 HV-400 Lm	81°C	50.000 hrs	85°C	49.000 hrs	89°C	45.000 hrs
Beryl Ln 75 HV-600 Lm	75°C	50.000 hrs	77°C	50.000 hrs	79°C	50.000 hrs

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

Manufacturer	Model	Type	Load	HV-75/90 400 Lm	HV-75/90 400 Lm + Dimming cable	HV-75/90 600 Lm HV-185 1250/2000 Lm
Berker	2830 10	R	60-400 W	✗	✓ 10-100%	✓ 20-100%
Berker	2867 10	RC	20-360 W	✗	✓ 10-100%	✓ 40-100%
Berker	2873	RL	20-500 W	✗ 40-90%	✓ 0-100%	✓ 20-100%
Busch Jaeger	6523U	RL	2-100 W	✓ 10-100%	✓ 0-100%	✓ 0-100%
Busch Jaeger	2247U	RL	20-250 W	✓ 20-100%	✓ 0-100%	✓ 0-100%
Elimpo	ECODIM9XX	-	3-80 W	✓ 0-100%	✓ 0-100%	✓ 0-100%
Ettako	EUD61NPN-UC	RLC	0-400 W	✓ 0-100%	✓ 0-100%	✓ 20-100%
Feller	40600.RL	RL	40-600 W	✗ 20-80%	✓ 0-100%	✓ 20-100%
Feller	40300.RC	RC	20-300 W	✓ 10-100%	✗	✓ 40-100%
Feller	40420.RLC	RLC	40-420 W	✗	✗	✗
Gira	1184-00	R	60-400 W	✗	✓ 10-100%	✓ 20-100%
Gira	1182-00	RC	20-360 W	✗	✓ 10-100%	✓ 40-100%
Gira	2262-00	RL	20-500 W	✗ 40-90%	✓ 0-100%	✓ 20-100%
Jung	244 EX	R	60-400 W	✗	✓ 10-100%	✓ 20-100%
Jung	243 EX	RC	20-360 W	✗	✓ 10-100%	✓ 40-100%
Jung	225 NV DE	RL	20-500 W	✗ 40-90%	✓ 0-100%	✓ 20-100%
Legrand	078406	RLC	8-300 W	✓ 10-100%	✓ 10-100%	✓ 10-100%
Legrand	067085	RLC	8-300 W	✓ 10-100%	✓ 10-100%	✓ 10-100%
Niko	310-0190X	RLC	5-325 W	✗ 20-80%	✓ 10-100%	✓ 20-100%
Niko	330-00700	RLC	5-350 W	✗ 20-80%	✓ 10-100%	✓ 30-100%
Norwegian	KED400	R	35-400 W	✓ 10-100%	✓ 10-100%	✓ 10-100%
Norwegian	KED600	R	35-600 W	✓ 10-100%	✓ 10-100%	✓ 10-100%
Peha	433 HAB	RC	20-315 W	✗ 40-90%	✓ 10-100%	✗
Peha	434 OA	R	60-400 W	✗ 60-80%	✓ 10-100%	✗
Peha	492 AB	RC	60-525 W	✗	✗	✗
Peha	492 AN	RL	60-600 W	✗	✗	✗
Schneider (Merten)	MTN5131	R	40-400 W	✗ 20-80%	✓ 0-100%	✓ 20-100%
Schneider (Merten)	MTN5133	RL	40-600 W	✗ 20-80%	✓ 0-100%	✓ 20-100%
Schneider (Merten)	MTN5136	RC	20-315 W	✗	✗	✓ 40-100%
Schneider (Merten)	MTN5138	RLC	20-420 W	✗	✗	✗
Schneider (Merten)	MTN5139	RLC	20-600 W	✗ 20-80%	✗	✓ 30-100%
Schneider (Merten)	MTN577099	RLC	25-420 W	✗	✗	✗
Schneider (Merten)	MTN577899	RC	20-315 W	✗	✓ 20-100%	✓ 40-100%
Schneider (Merten)	MEG5170	RLC	10-200 W	✗	✗ 40-80%	✗ 40-80%

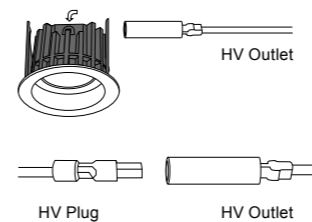
✓ = ok ✗ = not advised

HV Busbar

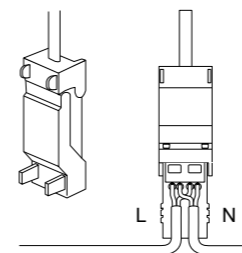


The HV Busbar is a customer friendly product that will give you an easy installation. Just place the cable in the busbar holder and push the cap on!

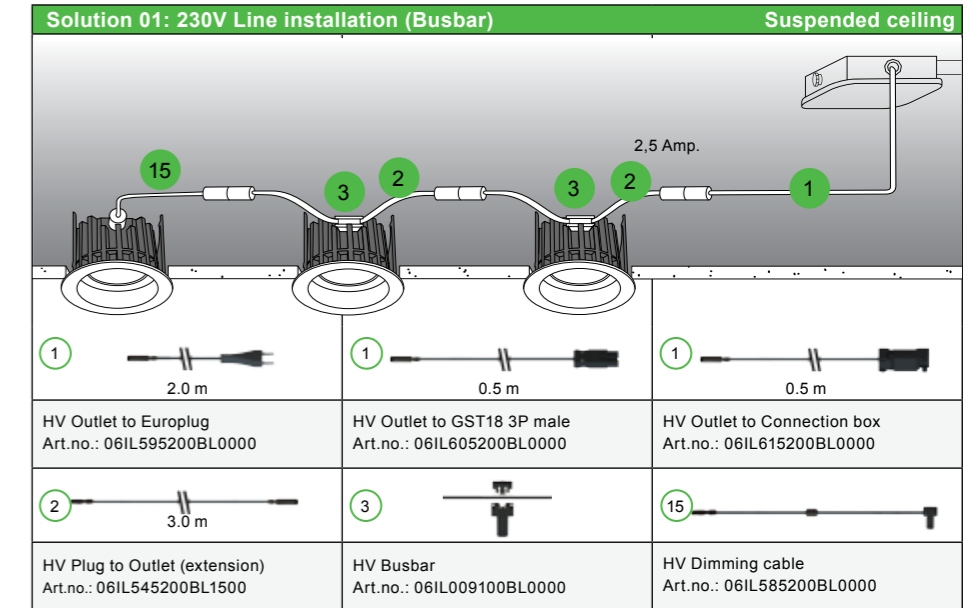
Plug&Play



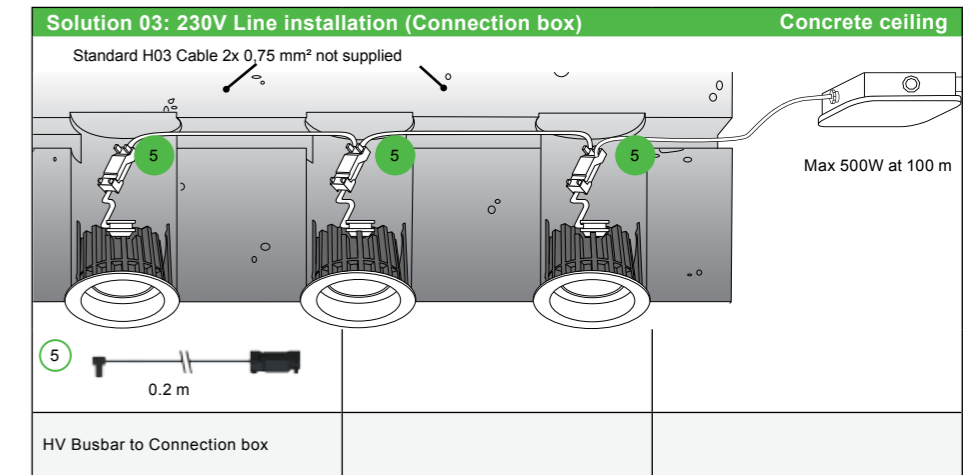
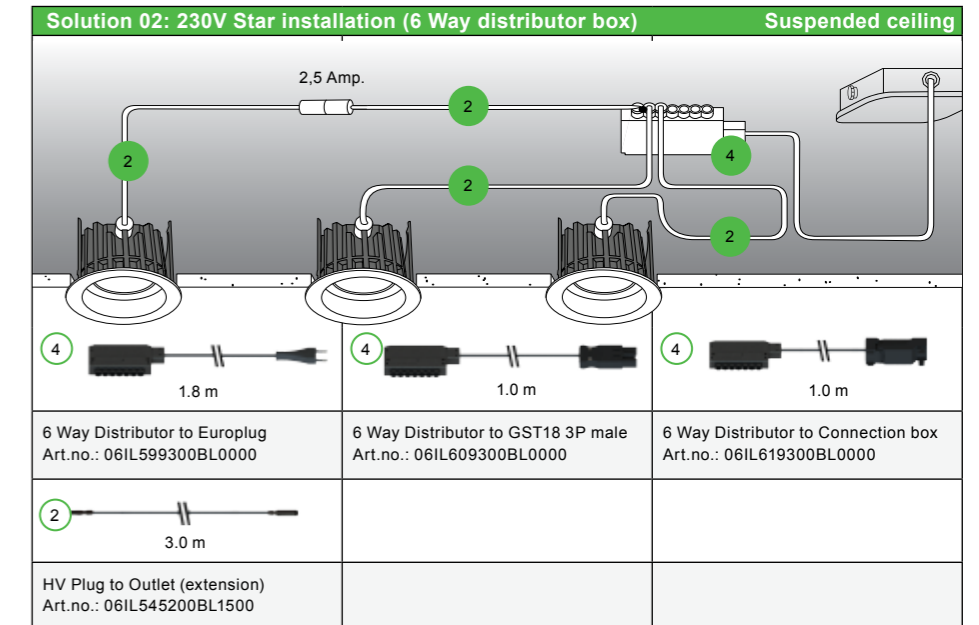
Connection box



The Connection box is equipped with push-in contacts for a quick and easy installation. Also the wire grip is screwless by pressing the top cover downwards.



* Only one dimming cable per dimming circuit (any spot is ok)



INDEX: LV DOWNLIGHTS

page 2 - 3LEGEND

page 5 - 13DOWNLIGHTS HV

page 15 - 29DOWNLIGHTS LV

Beryl FX + Beryl CR 75 / 90 LV / MLM
75 fixed / 90 adjustable



Beryl F / Beryl Ln 75 LV / MLM
fixed



CONCEPTUNE/CONCEPTUNE
SENSOR
50 Led modules



BERYL SQ / BERYL R
adjustable



LV PLUG & PLAY
installation



page 31 - 41DOWNLIGHTS LV+PS

page 43 - 47SURFACE MOUNT

page 49 - 51FLOORLIGHTS

page 53 - 59PLUG & PLAY SOLUTIONS

Comparison light output

Halogen 50W 230V	= 50W (6-8 Lm/W)	= 300-400 Lm
Halogen 50W 12V	= 50W (12-16 Lm/W)	= 600-800 Lm
Fluorescent lamps TC-DEL 2x18W	= 36W (38-46 Lm/W)	= 1368-1656 Lm
Fluorescent lamps TC-DEL 2x26W	= 52W (38-46 Lm/W)	= 1976-2392 Lm
Discharge metal halide lamp HI-T 70W	= 70W (42-51 Lm/W)	= 2940-3570 Lm
Discharge metal halide lamp HI-T 35W	= 35W (42-51 Lm/W)	= 1470-1785 Lm

LV DOWNLIGHTS

50/75/90 LV

BENEFITS

- Compact luminaire with high light output
- Tunable from warm white to cool white light (CT Technology)
- Built-in thermal protection for lifetime guarantee >70.000 hrs

FEATURES

- Dimmable from 100% to 30% by switching off and on the mains <2 sec.
- Integrated NECTOR S plug system for Plug & Play installation
- (NECTOR is an official TE Connectivity Trademark)
- Powered by high quality Energy Star LED Type
- CRI>90 for high quality light and true colors
- Highest efficiency per watt
- Consistent color between each downlight
- Homogeneous light beam
- Antiglare protection
- No heat or UV radiation
- Waterproof front
- CE / CB test report by Dekra Netherlands
- EMC test report available

CT TECHNOLOGY

The light can be tuned by switching the light off for a short period of time. This can be done by a normal switch (or a dimmer switch). By an interruption for a longer period of time it will remember the last step. If under certain circumstances one of the spots would be out of line with the other spots of the group you can make a reset (after switching off the light for more then 5 sec) by going through 4 steps after each other.

- Step 1 < 2 sec. Switch off/on: 100% 4000k
- Step 2 < 2 sec. Switch off/on: 100% 3000k
- Step 3 < 2 sec. Switch off/on: 100% 2700k
- Step 4 < 2 sec. Switch off/on: 30% 2700k

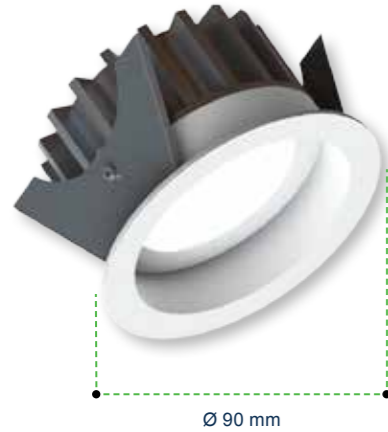
75/90 MLM

BENEFITS

- Compact luminaire with high light output
- Dipswitch for selection of the wattage
- High protection against voltage spikes

FEATURES

- Dimrange 0,5-100%
- Active powerfactor correction
- Analogical input (NTC) for thermal sensorconnection
- 1-10V version with additional push dimming
- Powered by high quality Energy Star LED Type
- CRI>90 for high quality light and true colors
- Consistent color between each downlight
- Homogeneous light beam
- Antiglare protection
- No heat or UV radiation
- Waterproof front
- CE / CB test report by Dekra Netherlands
- EMC test report available



Ø 90 mm

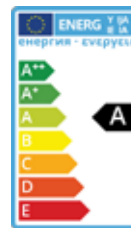
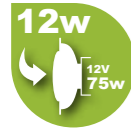


Fix

Adjustable

Specifications	Beryl FX 75 LV 12W Fix	Beryl FX 90 LV 12W Adj.
Article no. - Matt white RAL 9016	06IL807400MW0802	06IL808500MW0802
Article no. - Matt grey RAL 9006	06IL807400GR0802	06IL808500GR0802
Input voltage	24Vdc SELV (20-28Vdc)	24Vdc SELV (20-28Vdc)
Wattage	12W (12,1-12,6W)	12W (12,1-12,6W)
Inrush current	1000 Lm	1000 Lm
Efficacy	83 Lm/W	83 Lm/W
Correlated Color Temperature (CCT)	2700K / 3000K / 4000K	2700K / 3000K / 4000K
Color Rendering Index (CRI)	80-90	80-90
Beam angle	60°	60°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Dimmable	Step	Step
Operating temperature	-20°C / +70°C	-20°C / +70°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity single package	1 pc	1 pc
Weight single package	270 g	270 g
Dimensions single package	105x105x61 mm	105x105x105 mm
Quantity per carton	42 pcs	35 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	600x400x400 mm (0.096 m³)
Quantity per pallet	1344 pcs	560 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	3 years	3 years

All values are measured at 230V (+/- 7%)



For more information see Plug & Play installation at page 28

Measurements



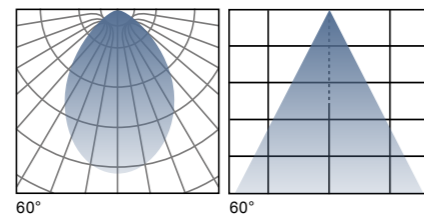
IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tj
Test data from LED supplier	not indicated	58°C
Test data from LED supplier	82.778 hrs	68°C
Test data from LED supplier	47.335 hrs	98°C
Beryl FX 75 LV-12W*	70.000 hrs	75°C

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

Photometrics



60°

60°



Ø 90 mm

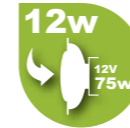


Fix

Adjustable

Specifications	Beryl CR 75 LV 12W Fix	Beryl CR 90 LV 12W Adj.
Article no. - Matt white RAL 9016	06IL947400MW0602	06IL948500MW0802
Article no. - Matt grey RAL 9006	06IL947400GR0602	06IL948500GR0802
Input voltage	24Vdc SELV (20-28Vdc)	24Vdc SELV (20-28Vdc)
Wattage	12W (12,1-12,6W)	12W (12,1-12,6W)
Inrush current	1000 Lm	1000 Lm
Efficacy	83 Lm/W	83 Lm/W
Correlated Color Temperature (CCT)	2700K / 3000K / 4000K	2700K / 3000K / 4000K
Color Rendering Index (CRI)	80-90	80-90
Beam angle	60°	60°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Dimmable	Step	Step
Operating temperature	-20°C / +70°C	-20°C / +70°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity single package	1 pc	1 pc
Weight single package	270 g	270 g
Dimensions single package	105x105x61 mm	105x105x105 mm
Quantity per carton	42 pcs	35 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	600x400x400 mm (0.096 m³)
Quantity per pallet	1344 pcs	560 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	3 years	3 years

All values are measured at 230V (+/- 7%)



For more information see Plug & Play installation at page 28

Measurements



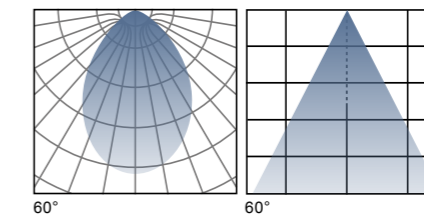
IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tj
Test data from LED supplier	not indicated	58°C
Test data from LED supplier	82.778 hrs	68°C
Test data from LED supplier	47.335 hrs	98°C
Beryl CR 75 LV-12W*	70.000 hrs	75°C

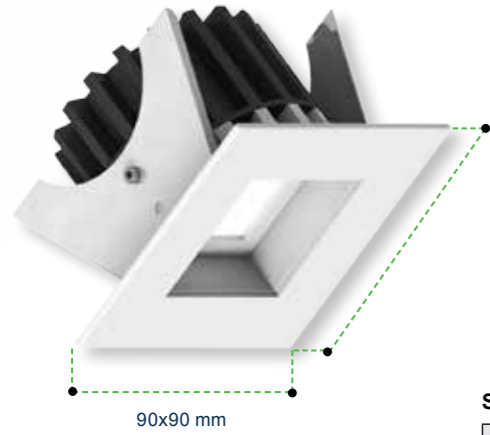
* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

Photometrics

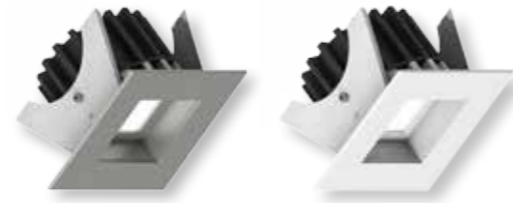


60°

60°



90x90 mm



Ø 90 mm



Specifications

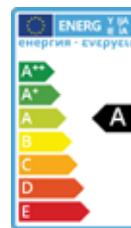
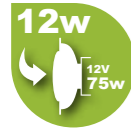
	Beryl F 75 LV 12W grey	Beryl F 75 LV 12W white
Article no.	06IL837400GR0802	06IL837400MW0802
Color	Matt grey RAL 9006	Matt white RAL 9016
Input voltage	24Vdc SELV (20-28Vdc)	24Vdc SELV (20-28Vdc)
Wattage	12W (12,1-12,6W)	12W (12,1-12,6W)
Inrush current	1000 Lm	1000 Lm
Efficacy	83 Lm/W	83 Lm/W
Correlated Color Temperature (CCT)	2700K/ 3000K/ 4000K	2700K/ 3000K/ 4000K
Color Rendering Index (CRI)	80-90	80-90
Beam angle	60°	60°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Dimmable	Step	Step
Operating temperature	-20°C / +70°C	-20°C / +70°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity single package	1 pc	1 pc
Weight single package	302 g	302 g
Dimensions single package	105x105x61 mm	105x105x61 mm
Quantity per carton	42 pcs	42 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	1344 pcs	1344 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	3 years	3 years

All values are measured at 230V (+/- 7%)

Specifications

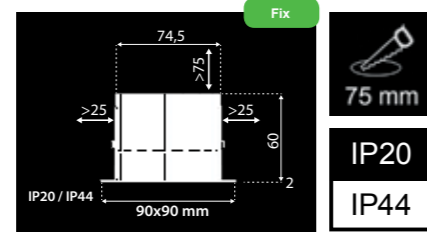
	Beryl Ln 75 LV 12W white
Article no.	06IL917400MW0602
Color	Matt white RAL 9016
Input voltage	24Vdc SELV (20-28Vdc)
Wattage	12W(12,1-12,6W)
Inrush current	1000 Lm
Efficacy	83 Lm/W
Correlated Color Temperature (CCT)	2700K / 3000K / 4000K
Color Rendering Index (CRI)	80-90
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20/IP44
Protection against shock	IK02
Dimmable	Step
Operating temperature	-20°C / +70°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	270 g
Dimensions single package	105x105x61 mm
Quantity per carton	42 pcs
Dimensions carton	400x300x380 mm (0.046 m³)
Quantity per pallet	1344 pcs
Expected lifetime at 25°C (L70)	70.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)



For more information see Plug & Play installation at page 28

Measurements



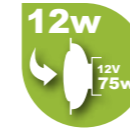
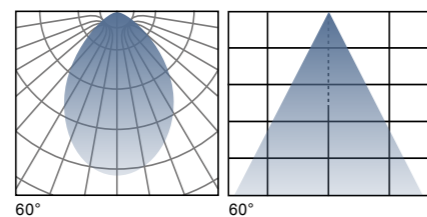
IP20/IP44:
Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tj
Test data from LED supplier	not indicated	58°C
Test data from LED supplier	82.778 hrs	68°C
Test data from LED supplier	47.335 hrs	98°C
Beryl F 75 LV-12W*	70.000 hrs	75°C

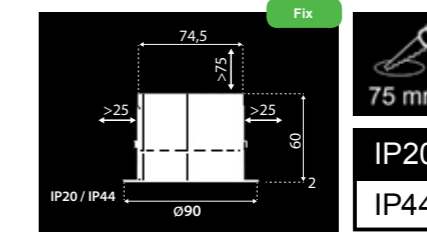
* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

Photometrics



For more information see Plug & Play installation at page 28

Measurements



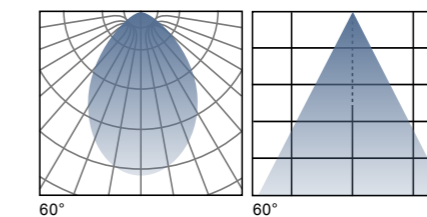
IP20/IP44:
Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

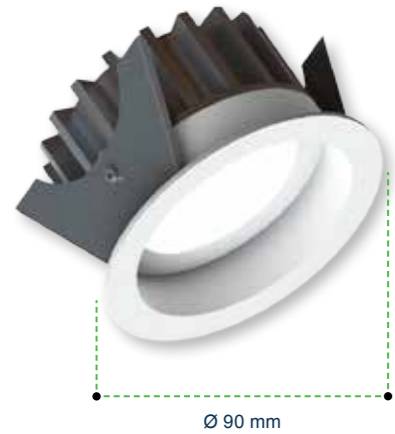
Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tj
Test data from LED supplier	not indicated	58°C
Test data from LED supplier	82.778 hrs	68°C
Test data from LED supplier	47.335 hrs	98°C
Beryl Ln 75 LV-12W*	70.000 hrs	75°C

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

Photometrics





Incl. T.C.I. Powersupply



Specifications	Beryl FX 75 MLM Fix	Beryl FX 90 MLM Adj.
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006	
Input voltage	110-240V~ 50/60 Hz	
Inrush current	5A 50uS	
Color Rendering Index (CRI)	2700K = 90 / 3000K = 80 / 4000K = 80	
Beam angle	60°	
Material	Aluminium	
Environment	Indoor, outdoor	
Protection against water	IP20/IP44	
Protection against shock	IK02	
Powerfactor (P _f)	0.95	
Operating temperature	-20°C / +45°C	
Safety norms	EN60598 / EN62031 / EN62471	
EMC norms	EN55015	
Quantity single package	1 pc	
Weight single package	Fix = 368 g	Adj. = 391 g
Dimensions single package	105x105x105 mm	105x105x105 mm
Quantity per carton	35 pcs	35 pcs
Dimensions carton	600x400x400 mm (0.096 m ³)	600x400x400 mm (0.096m ³)
Quantity per pallet	560 pcs	560 pcs
Expected lifetime at 25°C (L70)	>60.000 hrs	
Warranty	7 years	

All values are measured at 230V (+/- 7%)

Expected lifetime data

Test information	Tj 230V	Expected Lifetime
Test data from LED supplier	65°C	>60.000 hrs
Test data from LED supplier	85°C	>60.000 hrs
Test data from LED supplier	105°C	>60.000 hrs
Beryl FX 75/90 MLM Fix 700mAmp	94°C	>60.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

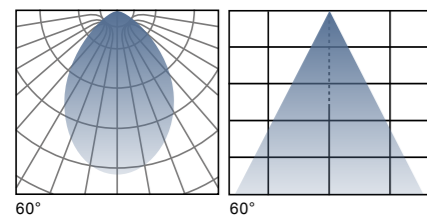


Product variations 75/90 MLM

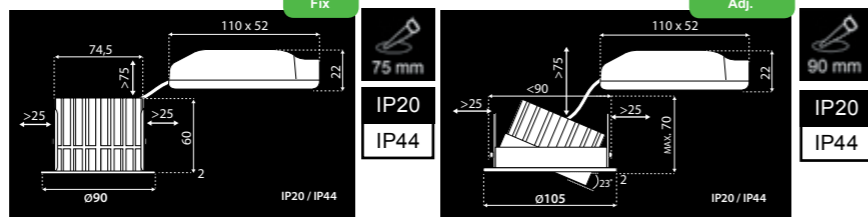
Description	Type	Beryl FX 75 Article no.	Beryl FX 90 Article no.	350m Amp		500 mAmp		700 mAmp				
				Lm	System Wattage	Lm	System Wattage	Lm	System Wattage	System Lm/W	Lamp Watt	LED m/W
Beryl FX MLM 20W 2700K cs	1-10V	06IL807800XX4202	06IL808800XX4202	525	10	715	15	1000	20	50	17	58,8
Beryl FX MLM 20W 3000K cs	1-10V	06IL807800XX4302	06IL808800XX4302	675	10	900	15	1250	20	62,5	17	73,5
Beryl FX MLM 20W 4000K cs	1-10V	06IL807800XX4402	06IL808800XX4402	800	10	1075	15	1500	20	75	17	88,2
Beryl FX MLM 20W 2700K cs	DALI	06IL807800XX4502	06IL808800XX4502	525	10	715	15	1000	20	50	17	58,8
Beryl FX MLM 20W 3000K cs	DALI	06IL807800XX4602	06IL808800XX4602	675	10	900	15	1250	20	62,5	17	73,5
Beryl FX MLM 20W 4000K cs	DALI	06IL807800XX4702	06IL808800XX4702	800	10	1075	15	1500	20	75	17	88,2

All values are measured at 230V (+/- 7%)

Photometrics



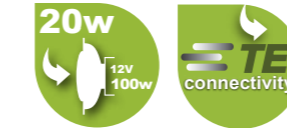
Measurements



IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.



Incl. T.C.I. Powersupply



Specifications	Beryl CR 75 MLM Fix	Beryl CR 90 MLM Adj.
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006	
Input voltage	110-240V~ 50/60 Hz	
Inrush current	5A 50uS	
Color Rendering Index (CRI)	2700K = 90 / 3000K = 80 / 4000K = 80	
Beam angle	60°	
Material	Aluminium	
Environment	Indoor, outdoor	
Protection against water	IP20/IP44	
Protection against shock	IK02	
Powerfactor (P _f)	0.95	
Operating temperature	-20°C / +45°C	
Safety norms	EN60598 / EN62031 / EN62471	
EMC norms	EN55015	
Quantity single package	1 pc	
Weight single package	Fix = 428 g	Adj. = 451 g
Dimensions single package	105x105x105 mm	105x105x105 mm
Quantity per carton	35 pcs	35 pcs
Dimensions carton	600x400x400 mm (0.096 m ³)	600x400x400 mm (0.096m ³)
Quantity per pallet	560 pcs	560 pcs
Expected lifetime at 25°C (L70)	>60.000 hrs	
Warranty	7 years	

All values are measured at 230V (+/- 7%)

Expected lifetime data

Test information	Tj 230V	Expected Lifetime
Test data from LED supplier	65°C	>60.000 hrs
Test data from LED supplier	85°C	>60.000 hrs
Test data from LED supplier	105°C	>60.000 hrs
Beryl CR 75/90 MLM Fix 700mAmp	94°C	>60.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

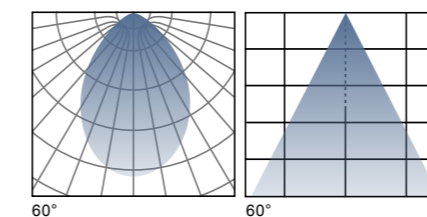


Product variations 75/90 MLM

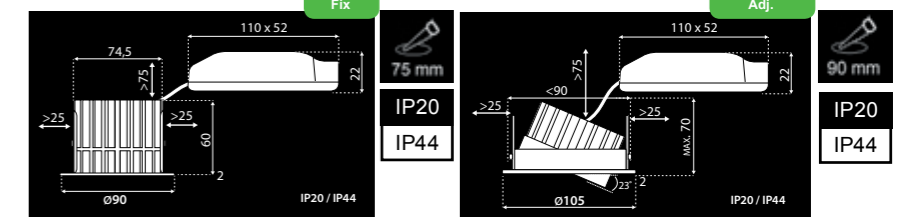
Description	Type	Beryl CR 75 Article no.	Beryl CR 90 Article no.	350m Amp		500 mAmp		700 mAmp				
				Lm	System Wattage	Lm	System Wattage	Lm	System Wattage	System Lm/W	Lamp Watt	LED m/W
Beryl CR MLM 20W 2700K cs	1-10V	06IL947800XX4202	06IL948800XX4202	525	10	715	15	1000	20	50	17	58,8
Beryl CR MLM 20W 3000K cs	1-10V	06IL947800XX4302	06IL948800XX4302	675	10	900	15	1250	20	62,5	17	73,5
Beryl CR MLM 20W 4000K cs	1-10V	06IL947800XX4402	06IL948800XX4402	800	10	1075	15	1500	20	75	17	88,2
Beryl CR MLM 20W 2700K cs	DALI	06IL947800XX4502	06IL948800XX4502	525	10	715	15	1000	20	50	17	58,8
Beryl CR MLM 20W 3000K cs	DALI	06IL947800XX4602	06IL948800XX4602	675	10	900	15	1250	20	62,5	17	73,5
Beryl CR MLM 20W 4000K cs	DALI	06IL947800XX4702	06IL948800XX4702	800	10	1075	15	1500	20	75	17	88,2

All values are measured at 230V (+/- 7%)

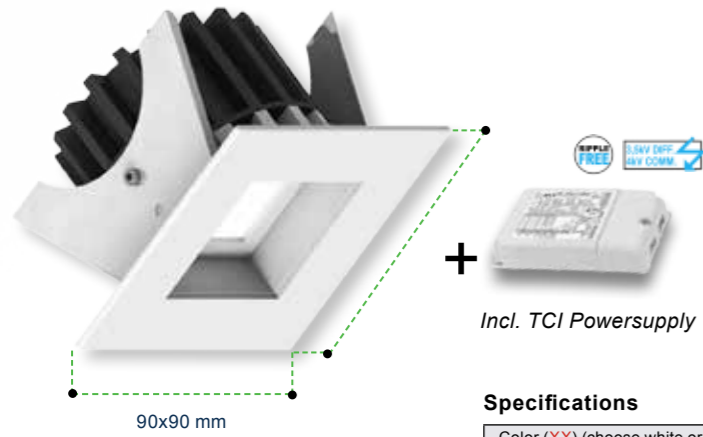
Photometrics



Measurements

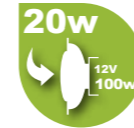
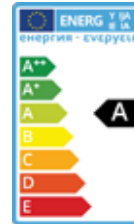


IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.



Specifications	Beryl F 75 MLM Fix
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006
Input voltage	110-240V~ 50/60 Hz
Inrush current	5A 50uS
Color Rendering Index (CRI)	2700K = 90 / 3000K = 80 / 4000K = 80
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20/IP44
Protection against shock	IK02
Powerfactor (Pf)	0.95
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	Fix = 400 g
Dimensions single package	105x105x105 mm
Quantity per carton	35 pcs
Dimensions carton	600x400x400 mm (0.096 m³)
Quantity per pallet	560 pcs
Expected lifetime at 25°C (L70)	>60.000 hrs
Warranty	7 years

Specifications	Beryl Ln 75 MLM Fix
Color	Matt white RAL 9016
Input voltage	110-240V~ 50/60 Hz
Inrush current	5A 50uS
Color Rendering Index (CRI)	2700K = 90 / 3000K = 80 / 4000K = 80
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20/IP44
Protection against shock	IK02
Powerfactor (Pf)	0.95
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	Fix = 368 g
Dimensions single package	105x105x105 mm
Quantity per carton	35 pcs
Dimensions carton	600x400x400 mm (0.096 m³)
Quantity per pallet	560 pcs
Expected lifetime at 25°C (L70)	>60.000 hrs
Warranty	7 years



All values are measured at 230V (+/- 7%)

All values are measured at 230V (+/- 7%)

Expected lifetime data

Test information	Tj 230V	Expected Lifetime
Test data from LED supplier	65°C	>60.000 hrs
Test data from LED supplier	85°C	>60.000 hrs
Test data from LED supplier	105°C	>60.000 hrs
Beryl F 75 MLM Fix 700mAmp	94°C	>60.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

Expected lifetime data

Test information	Tj 230V	Expected Lifetime
Test data from LED supplier	65°C	>60.000 hrs
Test data from LED supplier	85°C	>60.000 hrs
Test data from LED supplier	105°C	>60.000 hrs
Beryl Ln 75 MLM Fix 700mAmp	94°C	>60.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

Product variations 75 MLM

Description	Type	Beryl F 75 Article no.	350m Amp		500 mAmp		700 mAmp				
			Lm	System Wattage	Lm	System Wattage	Lm	System Wattage	System Lm/W	Lamp Watt	LED m/W
Beryl F MLM 20W 2700K cs	1-10V	06IL837800XX4202	525	10	715	15	1000	20	50	17	58,8
Beryl F MLM 20W 3000K cs	1-10V	06IL837800XX4302	675	10	900	15	1250	20	62,5	17	73,5
Beryl F MLM 20W 4000K cs	1-10V	06IL837800XX4402	800	10	1075	15	1500	20	75	17	88,2
Beryl F MLM 20W 2700K cs	DALI	06IL837800XX4502	525	10	715	15	1000	20	50	17	58,8
Beryl F MLM 20W 3000K cs	DALI	06IL837800XX4602	675	10	900	15	1250	20	62,5	17	73,5
Beryl F MLM 20W 4000K cs	DALI	06IL837800XX4702	800	10	1075	15	1500	20	75	17	88,2

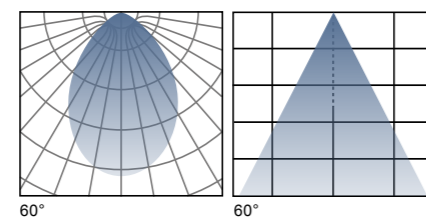
All values are measured at 230V (+/- 7%)

Product variations 75 MLM

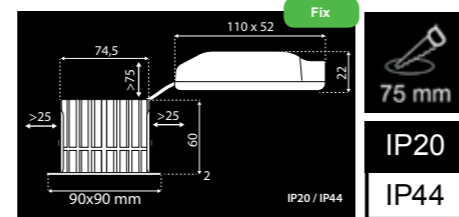
Description	Type	Beryl Ln 75 Article no.	350m Amp		500 mAmp		700 mAmp				
			Lm	System Wattage	Lm	System Wattage	Lm	System Wattage	System Lm/W	Lamp Watt	LED m/W
Beryl Ln MLM 20W 2700K cs	1-10V	06IL917800MW4202	525	10	715	15	1000	20	50	17	58,8
Beryl Ln MLM 20W 3000K cs	1-10V	06IL917800MW4302	675	10	900	15	1250	20	62,5	17	73,5
Beryl Ln MLM 20W 4000K cs	1-10V	06IL917800MW4402	800	10	1075	15	1500	20	75	17	88,2
Beryl Ln MLM 20W 2700K cs	DALI	06IL917800MW4502	525	10	715	15	1000	20	50	17	58,8
Beryl Ln MLM 20W 3000K cs	DALI	06IL917800MW4602	675	10	900	15	1250	20	62,5	17	73,5
Beryl Ln MLM 20W 4000K cs	DALI	06IL917800MW4702	800	10	1075	15	1500	20	75	17	88,2

All values are measured at 230V (+/- 7%)

Photometrics

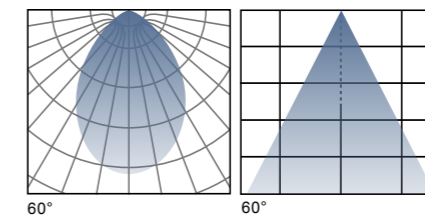


Measurements

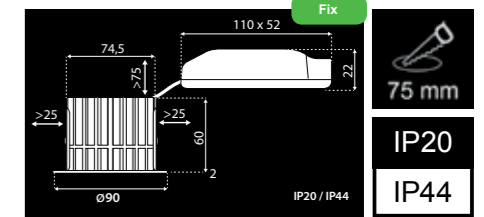


IP20/IP44:
Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

Photometrics



Measurements



IP20/IP44:
Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

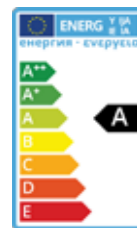


Specifications	Conceptune 50 LV - 7W 24°	Conceptune 50 LV - 7W 60°
Article no.	06IL100000BL0702	06IL100000BL0802
Color	Black	Black
Input voltage	24Vdc SELV (20-28Vdc)	24Vdc SELV (20-28Vdc)
Wattage	7W (7,2-7,6W)	7W (7,2-7,6W)
Inrush current	600 Lm	600 Lm
Efficacy	86 Lm/W	86 Lm/W
Correlated Color Temperature (CCT)	2700K / 3000K / 4000K	2700K / 3000K / 4000K
Color Rendering Index (CRI)	80-90	80-90
Beam angle	24°	60°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Dimmable	Step	Step
Operating temperature	-20°C / +70°C	-20°C / +70°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity single package	1 pc	1 pc
Weight single package	96 g	96 g
Dimensions single package	55x55x65 mm	55x55x65 mm
Quantity per carton	144 pcs	144 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	1344 pcs	1344 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	3 years	3 years

All values are measured at 230V (+/- 7%)

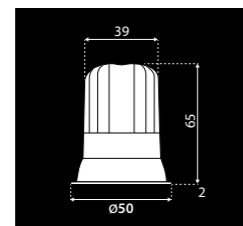
Specifications	Conceptune Sensor 50 LV - 7W 24°	Conceptune Sensor 50 LV - 7W 60°
Article no.	06IL100200BL0702	06IL100200BL0802
Color	Black	Black
Input voltage	24Vdc SELV (20-28Vdc)	24Vdc SELV (20-28Vdc)
Wattage	7W (7,2-7,6W)	7W (7,2-7,6W)
Inrush current	600 Lm	600 Lm
Efficacy	86 Lm/W	86 Lm/W
Correlated Color Temperature (CCT)	2700K / 3000K / 4000K	2700K / 3000K / 4000K
Color Rendering Index (CRI)	80-90	80-90
Beam angle	24°	60°
Off-time (no movement)	4 minutes	4 minutes
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Dimmable	Step	Step
Operating temperature	-20°C / +70°C	-20°C / +70°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity single package	1 pc	1 pc
Weight single package	96 g	96 g
Dimensions single package	55x55x65 mm	55x55x65 mm
Quantity per carton	144 pcs	144 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	1344 pcs	1344 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	3 years	3 years

All values are measured at 230V (+/- 7%)



For more information see Plug & Play installation at page 29

Measurements



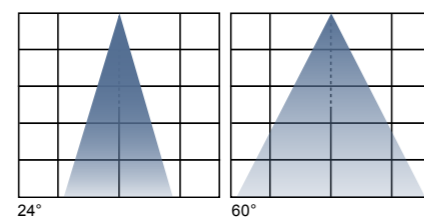
Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tj
Test data from LED supplier	not indicated	58°C
Test data from LED supplier	82,778 hrs	68°C
Test data from LED supplier	47,335 hrs	98°C
Conceptune 50 LV-7W*	70,000 hrs	75°C

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

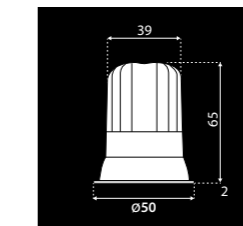


Photometrics



For more information see Plug & Play installation at page 29

Measurements



Application

Toilets, hallways, etc.

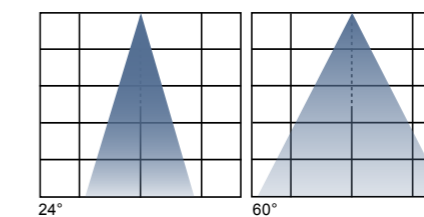
Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tj
Test data from LED supplier	not indicated	58°C
Test data from LED supplier	82,778 hrs	68°C
Test data from LED supplier	47,335 hrs	98°C
Conceptune Sensor 50SD LV-7W*	70,000 hrs	75°C

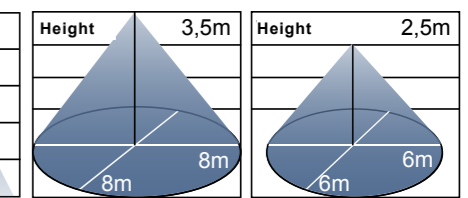
* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
* Expected lifetime measured at Ta 25°C (L70)

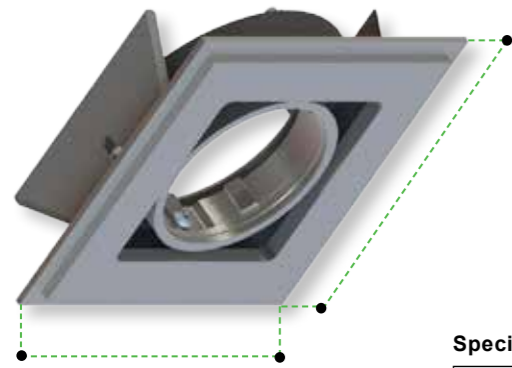


Photometrics

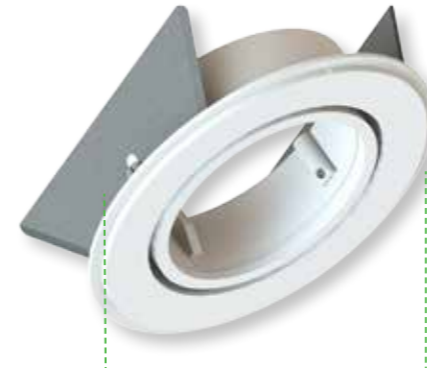


Detection area





100x100 mm



Ø 90 mm



Specifications

	Beryl SQ 50 Adj. grey	Beryl SQ 50 Adj. white
Article no.	06IL155000GR0002	06IL155000MW0002
Color	Matt grey RAL 9006	Matt white RAL 9016
Input voltage	x	x
Wattage	x	x
Inrush current	x	x
Efficacy	x	x
Correlated Color Temperature (CCT)	x	x
Color Rendering Index (CRI)	x	x
Rotation	30°/360°	30°/360°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20	IP20
Protection against shock	x	x
Dimmable	x	x
Safety norms	EN60598	EN60598
EMC norms	x	x
Quantity single package	1 pc	1 pc
Weight single package	204 g	204 g
Dimensions single package	105x105x61 mm	105x105x61 mm
Quantity per carton	42 pcs	42 pcs
Dimensions carton	400x300x380 mm (0.046 m ³)	400x300x380 mm (0.046 m ³)
Quantity per pallet	1344 pcs	1344 pcs
Expected lifetime at 25°C (L70)	x	x
Warranty	3 years	3 years

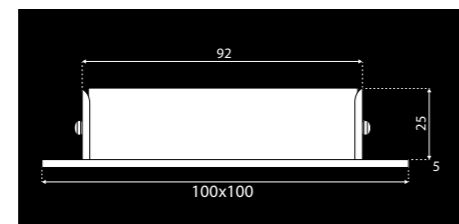
All values are measured at 230V (+/- 7%)

Specifications

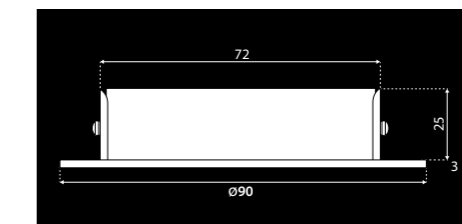
	Beryl R 50 Adj. grey	Beryl R 50 Adj. white
Article no.	06IL165000GR0002	06IL165000MW0002
Color	Matt grey RAL 9006	Matt white RAL 9016
Input voltage	x	x
Wattage	x	x
Inrush current	x	x
Efficacy	x	x
Correlated Color Temperature (CCT)	x	x
Color Rendering Index (CRI)	x	x
Rotation	30°	30°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20	IP20
Protection against shock	x	x
Dimmable	x	x
Safety norms	EN60598	EN60598
EMC norms	x	x
Quantity single package	1 pc	1 pc
Weight single package	134 g	134 g
Dimensions single package	105x105x61 mm	105x105x61 mm
Quantity per carton	42 pcs	42 pcs
Dimensions carton	400x300x380 mm (0.046 m ³)	400x300x380 mm (0.046 m ³)
Quantity per pallet	1344 pcs	1344 pcs
Expected lifetime at 25°C (L70)	x	x
Warranty	3 years	3 years

All values are measured at 230V (+/- 7%)

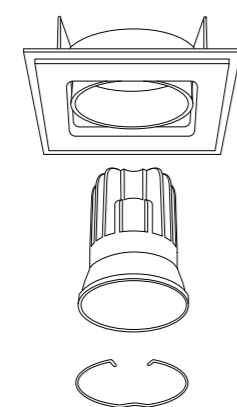
Measurements



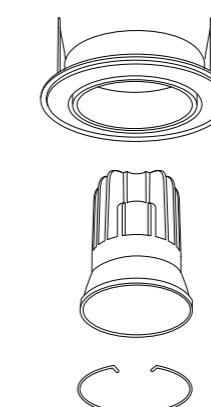
Measurements



Installation

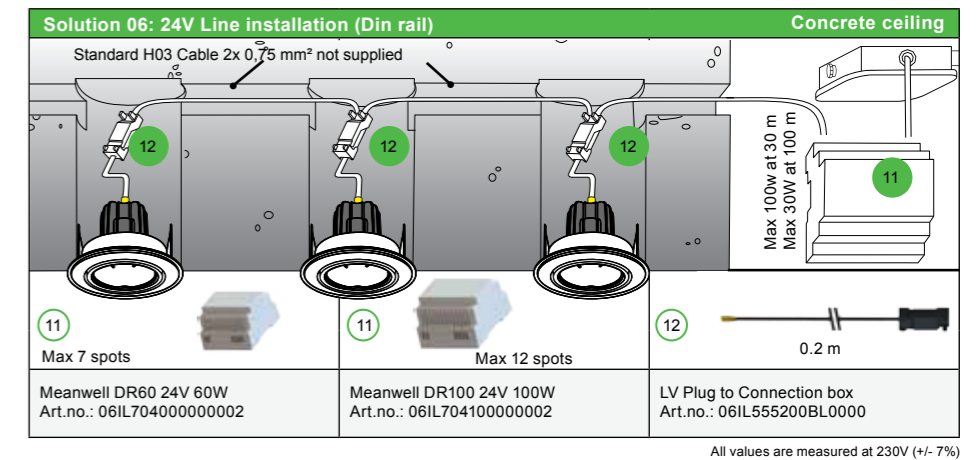
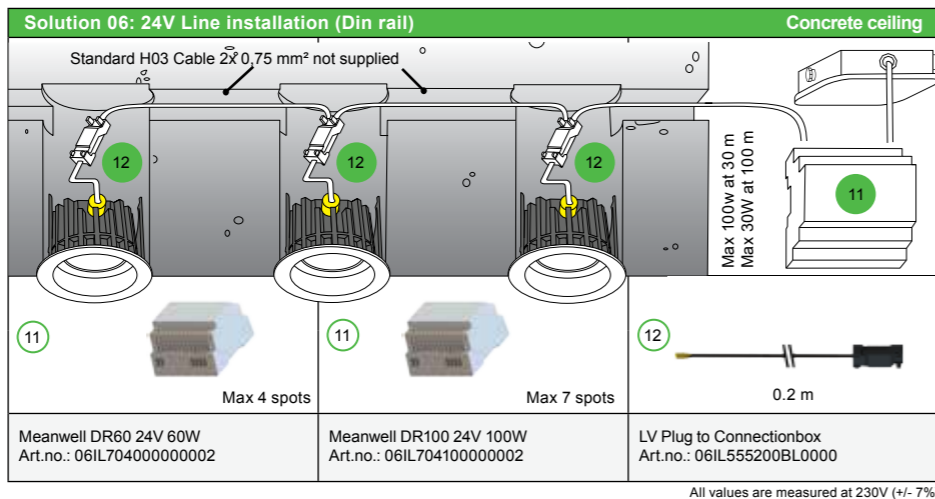
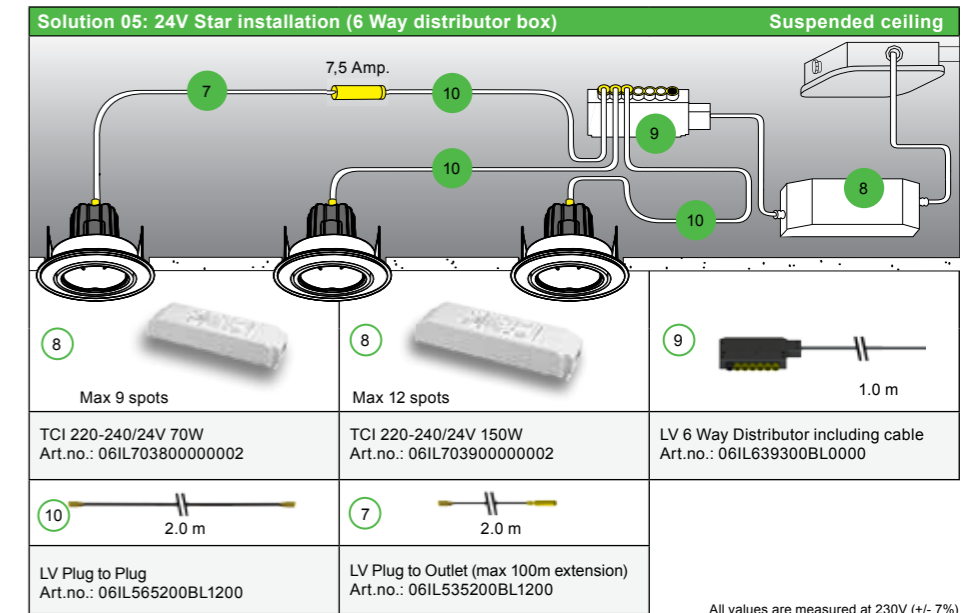
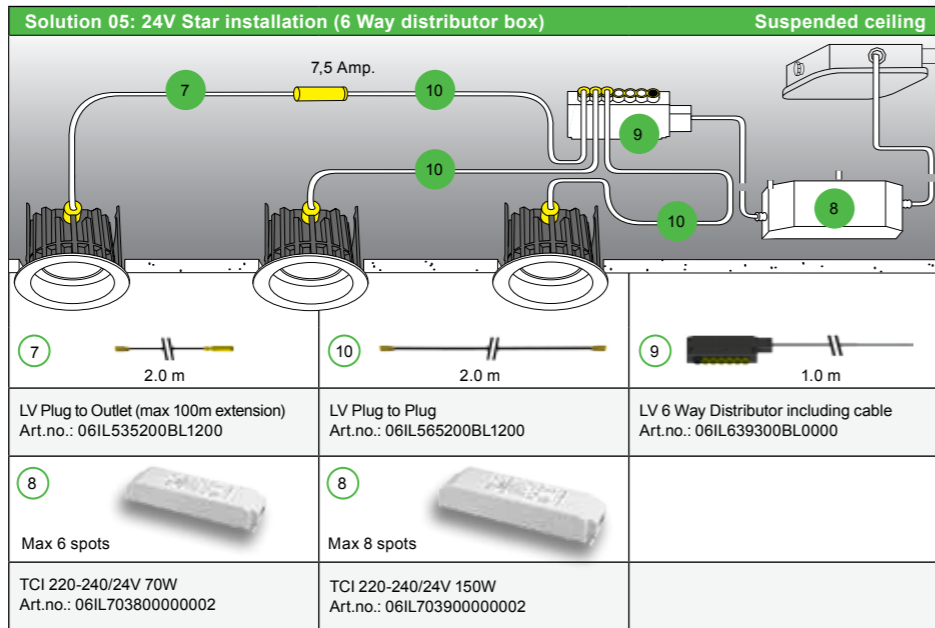
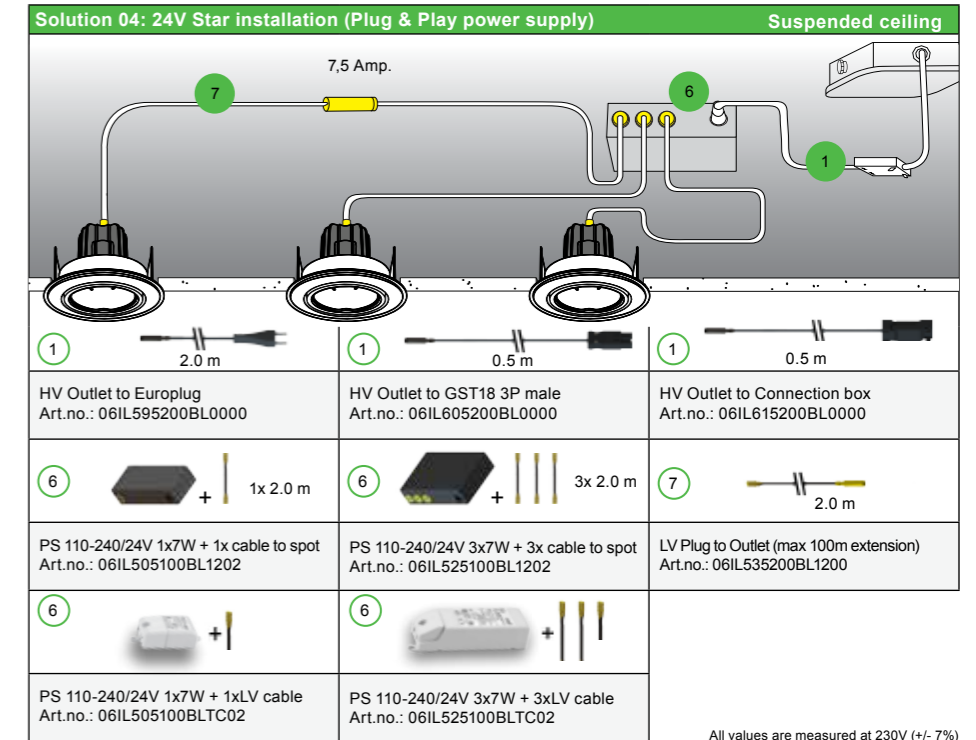
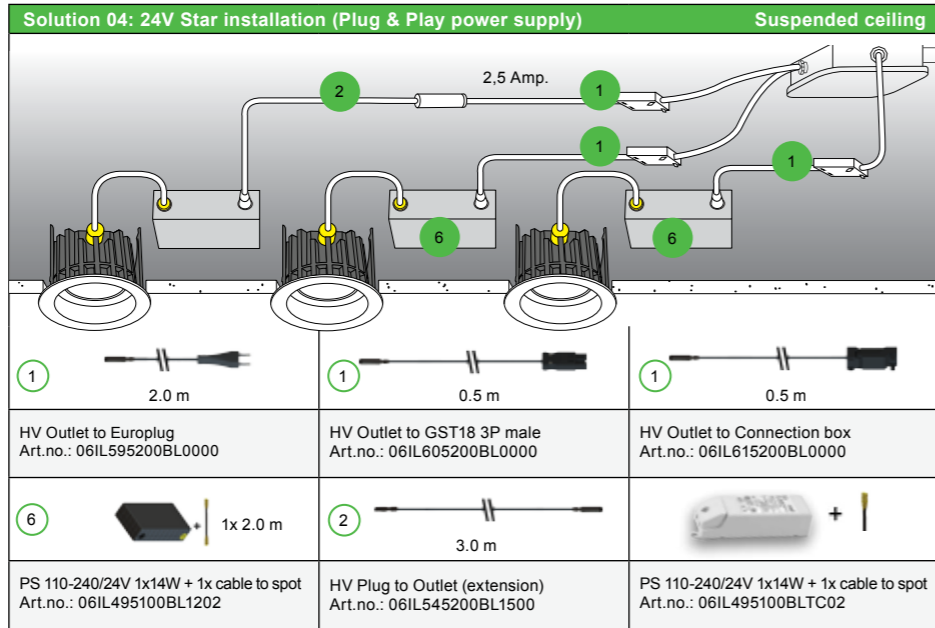


Installation

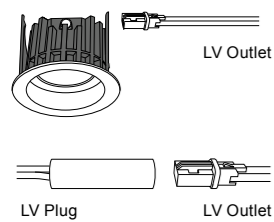


For more information see
Plug & Play installation at page 29

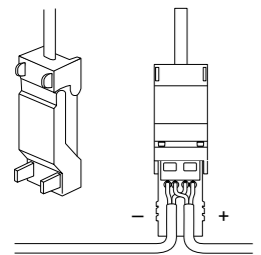
For more information see
Plug & Play installation at page 29



Plug&Play

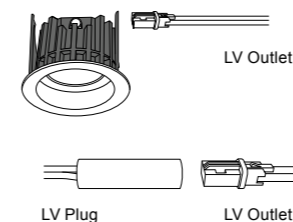


Connection box

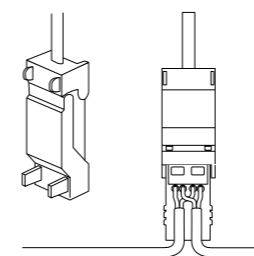


The Connection box is equipped with push-in contacts for a quick and easy installation. Also the wire grip is screwless by pressing the top cover downwards.

Plug&Play



Connection box



The Connection box is equipped with push-in contacts for a quick and easy installation. Also the wire grip is screwless by pressing the top cover downwards.

INDEX: LV+PS DOWNLIGHTS

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Page 5 - 13 DOWNLIGHTS HV

Page 15 - 29 DOWNLIGHTS LV

Page 31 - 41 DOWNLIGHTS LV+PS

Beryl Ln 185 LV+PS
Fixed



Beryl CR 185 LV+PS
Fixed



EMERGENCY
units



ACCESSORIES
rings



Page 43 - 47 SURFACE MOUNT

Page 49 - 51 FLOORLIGHTS

Page 53 - 59 PLUG & PLAY SOLUTIONS

Comparison light output

Halogen 50W 230V	= 50W (6-8 Lm/W)	= 300-400 Lm
Halogen 50W 12V	= 50W (12-16 Lm/W)	= 600-800 Lm
Fluorescent lamps TC-DEL 2x18W	= 36W (38-46 Lm/W)	= 1368-1656 Lm
Fluorescent lamps TC-DEL 2x26W	= 52W (38-46 Lm/W)	= 1976-2392 Lm
Discharge metal halide lamp HI-T 70W	= 70W (42-51 Lm/W)	= 2940-3570 Lm
Discharge metal halide lamp HI-T 35W	= 35W (42-51 Lm/W)	= 1470-1785 Lm

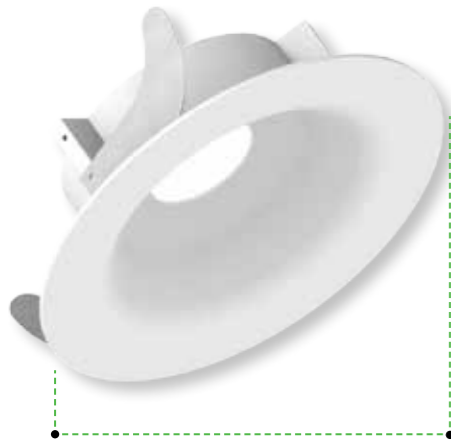
LV+PS DOWNLIGHTS

BENEFITS

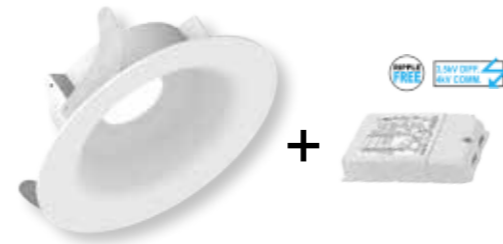
- Highest efficiency by patented CREE True White Technology
- Suitable for museums, galleries, retail environments and anywhere a true color is vital (CRI 95)
- Built-in optical management system delivers highly consistent light quality over time and temperature

FEATURES

- Including converter
- White diffuser when light is off
- 7 years warranty
- Color consistency with 4-step MacAdam Ellipse
- Superior dimming quality to < 10%
- UL Recognized module and driver
- Energy Star Compliant
- Passive heatsinking with no moving parts
- Fits in standard 185-205 mm apertures
- Low recess depth of only 150mm
- Homogeneous lightbeam
- Antiglare protection
- No heat or UV radiation
- Waterproof front
- CE/ CB test report by Intertek
- EMC test report available



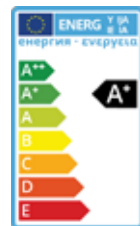
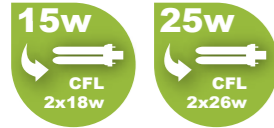
Ø 230 mm



Correction Ring
(Page 41)



Emergency Units
(Page 40)

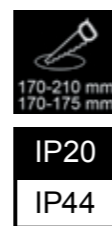
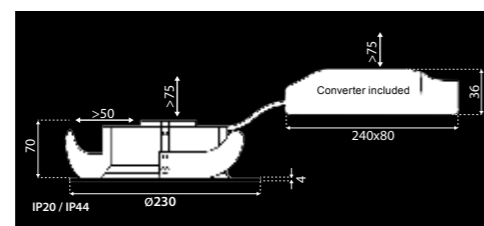


Specifications

	Beryl Ln 185 LV+PS 1250 Lm	Beryl Ln 185 LV+PS 2000 Lm
Color	Matt white RAL 9016	Matt white RAL 9016
Input voltage TCI Power supply	110-240V (DALI & 1-10V) 220-240V (Non dimming)	110-240V (DALI & 1-10V) 110-240V (Non dimming)
Input voltage CREE Power supply	Not available	220-240V (DALI & 1-10V)
Frequency	50/60 Hz	50/60 Hz
Light Source Wattage	13,15W	21,05W
Inrush current	1250 Lm	2000 Lm
Light Source Efficacy	97 Lm/W	97 Lm/W
System Wattage	15,5W	25W
System Efficacy with Driver	80 Lm/W	80 Lm/W
Color Rendering Index (CRI)	95 (Typeical)	95 (Typeical)
Beam angle	80°	80°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Powerfactor (Pf)	0.95 (TCI)	0.98 (TCI) / 0,95 (CREE)
Inrush current	5A 200µS (TCI)	5A 200µS (TCI) 5A 66µS (Cree)
Operating temperature	-20°C / +45°C	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity	1 pc	1 pc
Weight single package	1.170 g	1.170 g
Dimensions single package	235x235x85 mm	235x235x85 mm
Quantity per carton	20 pcs	20 pcs
Dimensions carton	800x600x300 mm (0,144 m³)	800x600x300 mm (0,144 m³)
Quantity per pallet	240 pcs	240 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	7 years	7 years

All values are measured at 230V (+/- 7%)

Measurements



170-210 mm: for hard mineral plates
170-175 mm: for soft mineral plates,
after installation turn the frontring
clockwise.

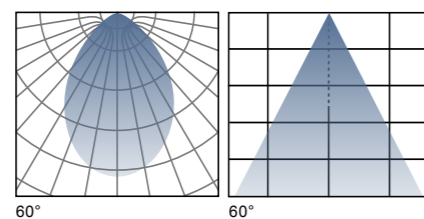
IP20/IP44:
Only when the luminaire is installed
in a closed ceiling it can be exposed
to splashing water from the front side.

Expected lifetime data

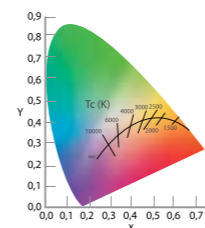
Test information	Expected lifetime Ta 25°C (L70)	Tc Module	Tc PS
Warranty	50.000 hrs	70°C	75°C
Test data from Module supplier	83.900 hrs	85°C	
Test data from Power supply supplier	50.000 hrs		75°C
Beryl Ln 185 LV+PS 1250 Lm	>70.000 hrs	55°C	46°C
Beryl Ln 185 LV+PS 2000 Lm	>70.000 hrs	64°C	49°C

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing

Photometrics



Black Body Line



During the dimming curve,
the color of the light stays
on the Black Body Line
for optimal light quality.



Beryl Ln 185 LV+PS
Including Correction Ring

TCI Powersupply	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl Ln 185 LV+PS 1250 Lm 2700K	06IL741000MW3202	06IL741000MW3502	06IL741000MW6202
Beryl Ln 185 LV+PS 1250 Lm 3000K	06IL741000MW3302	06IL741000MW3602	06IL741000MW6302
Beryl Ln 185 LV+PS 1250 Lm 4000K	06IL741000MW3402	06IL741000MW3702	06IL741000MW6402
Beryl Ln 185 LV+PS 1250 Lm 1800-2700K	06IL741000MWS102	06IL741000MWS02	Not available
Beryl Ln 185 LV+PS 2000 Lm 2700K	06IL741100MW3202	06IL741100MW3502	06IL741100MW6202
Beryl Ln 185 LV+PS 2000 Lm 3000K	06IL741100MW3302	06IL741100MW3602	06IL741100MW6302
Beryl Ln 185 LV+PS 2000 Lm 4000K	06IL741100MW3402	06IL741100MW3702	06IL741100MW6402
Beryl Ln 185 LV+PS 2000 Lm 1800-2700K	06IL741100MWS102	06IL741100MWS02	Not available

CREE Powersupply	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl Ln 185 LV+PS 2000 Lm 2700K	06IL7C1100MW3202	06IL7C1100MW3502	Not available
Beryl Ln 185 LV+PS 2000 Lm 3000K	06IL7C1100MW3302	06IL7C1100MW3602	Not available
Beryl Ln 185 LV+PS 2000 Lm 4000K	06IL7C1100MW3402	06IL7C1100MW3702	Not available
Beryl Ln 185 LV+PS 2000 Lm 1800-2700K	06IL7C1100MWS102	06IL7C1100MWS02	Not available

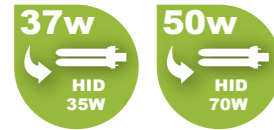
Accessory	Correction Ring
Article no.	06IL009400MW0000
Color	Matt white RAL 9016
Material	Aluminium
Package Type	Plastic bag
Quantity per carton	20 pcs
Dimensions carton	293x293x120 mm



For more information see Plug & Play installation



Ø 230 mm

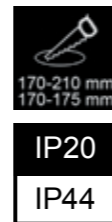
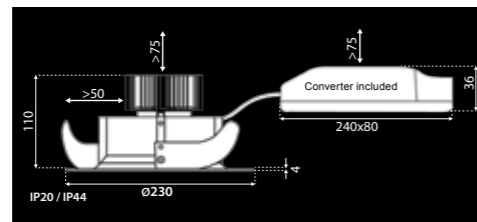


Specifications

	Beryl Ln 185 LV+PS 3000 Lm	Beryl Ln 185 LV+PS 4000 Lm
Color	Matt white RAL 9016	Matt white RAL 9016
Input voltage TCI Power supply	110-240V (DALI & 1-10V) 110-240V (Non dimming)	110-240V (DALI & 1-10V) 110-240V (Non dimming)
Input voltage CREE Power supply	220-240V (DALI & 1-10V)	220-240V (DALI & 1-10V)
Frequency	50/60 Hz	50/60 Hz
Light Source Wattage	31,57W	42,1W
Inrush current	3000 Lm	4000 Lm
Light Source Efficacy	95 Lm/W	95 Lm/W
System Wattage	37,5W	50W
System Efficacy with Driver	80 Lm/W	80 Lm/W
Color Rendering Index (CRI)	95 (Typeical)	95 (Typeical)
Beam angle	80°	80°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Powerfactor (Pf)	0,98 (TCI) / 0,95 (CREE)	0,98 (TCI) / 0,95 (CREE)
Inrush current	20A 400µS (TCI) 5A 66µS (Cree)	20A 400µS (TCI) 5A 66µS (Cree)
Operating temperature	-20°C / +45°C	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity	1 pc	1 pc
Weight single package	1.225 g	1.225 g
Dimensions single package	235x235x120 mm	235x235x120 mm
Quantity per carton	15	15
Dimensions carton	800x600x300 mm (0,144 m³)	800x600x300 mm (0,144 m³)
Quantity per pallet	180 pcs	180 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	7 years	7 years

All values are measured at 230V (+/- 7%)

Measurements



170-210 mm: for hard mineral plates
170-175 mm: for soft mineral plates,
after installation turn the frontring
clockwise.

IP20/IP44:

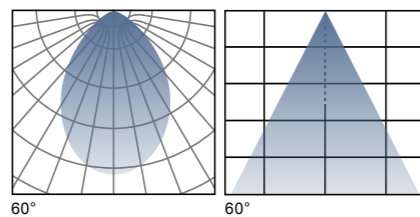
Only when the luminary is installed
in a closed ceiling it can be exposed
to splashing water from the front
side.

Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tc Module	Tc PS
Warranty	50.000 hrs	70°C	70°C
Test data from Module supplier	83.900 hrs	85°C	
Test data from Power supply supplier	50.000 hrs		70°C
Beryl Ln 185 LV+PS 3000 Lm	>70.000 hrs	56°C	43°C
Beryl Ln 185 LV+PS 4000 Lm	>70.000 hrs	61°C	47°C

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing

Photometrics



Correction Ring
(Page 41)



Emergency Units
(Page 40)



TCI Powersupply

	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl Ln 185 LV+PS 3000 Lm 2700K	06IL741200MW3202	06IL741200MW3502	06IL741200MW6202
Beryl Ln 185 LV+PS 3000 Lm 3000K	06IL741200MW3302	06IL741200MW3602	06IL741200MW6302
Beryl Ln 185 LV+PS 3000 Lm 4000K	06IL741200MW3402	06IL741200MW3702	06IL741200MW6402
Beryl Ln 185 LV+PS 4000 Lm 2700K	06IL741300MW3202	06IL741300MW3502	06IL741300MW6202
Beryl Ln 185 LV+PS 4000 Lm 3000K	06IL741300MW3302	06IL741300MW3602	06IL741300MW6302
Beryl Ln 185 LV+PS 4000 Lm 4000K	06IL741300MW3402	06IL741300MW3702	06IL741300MW6402



TCI

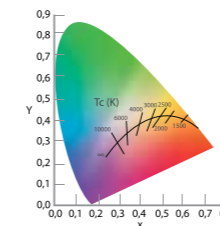
CREE Powersupply

	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl Ln 185 LV+PS 3000 Lm 2700K	06IL7C1200MW3202	06IL7C1200MW3502	Not available
Beryl Ln 185 LV+PS 3000 Lm 3000K	06IL7C1200MW3302	06IL7C1200MW3602	Not available
Beryl Ln 185 LV+PS 3000 Lm 4000K	06IL7C1200MW3402	06IL7C1200MW3702	Not available
Beryl Ln 185 LV+PS 4000 Lm 2700K	Not available	06IL7C1300MW3502	Not available
Beryl Ln 185 LV+PS 4000 Lm 3000K	06IL7C1300MW3302	06IL7C1300MW3602	Not available
Beryl Ln 185 LV+PS 4000 Lm 4000K	06IL7C1300MW3402	06IL7C1300MW3702	Not available



CREE

Black Body Line



During the dimming curve,
the color of the light stays
on the Black Body Line
for optimal light quality.



Beryl Ln 185 LV+PS
Including Correction Ring

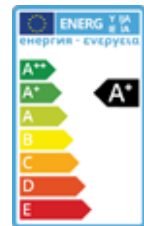
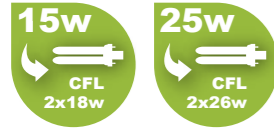
Accessory

Accessory	Correction Ring
Article no.	06IL009400MW0000
Color	Matt white RAL 9016
Material	Aluminium
Package Type	Plastic bag
Quantity per carton	20 pcs
Dimensions carton	293x293x120 mm





Ø 230 mm



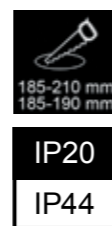
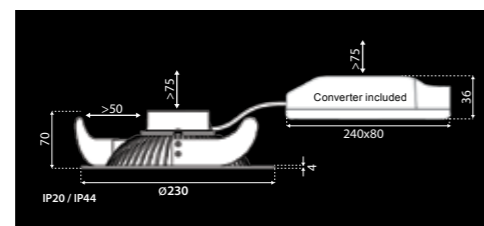
Incl.

Specifications

	Beryl CR 185 LV+PS 1250 Lm	Beryl CR 185 LV+PS 2000 Lm
Color	Matt white RAL 9016	Matt white RAL 9016
Input voltage TCI Power supply	110-240V (DALI & 1-10V) 220-240V (Non dimming)	110-240V (DALI & 1-10V) 110-240V (Non dimming)
Input voltage CREE Power supply	Not available	220-240V (DALI & 1-10V)
Frequency	50/60 Hz	50/60 Hz
Light Source Wattage	13,15W	21,05W
Inrush current	1250 Lm	2000 Lm
Light Source Efficacy	95 Lm/W	95 Lm/W
System Wattage	15,5W	25W
System Efficacy with Driver	80 Lm/W	80 Lm/W
Color Rendering Index (CRI)	95 (Typeical)	95 (Typeical)
Beam angle	60°	60°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Powerfactor (Pf)	0,95 (TCI)	0,98 (TCI) / 0,95 (CREE)
Inrush current	5A 200µS (TCI)	5A 200µS (TCI) 5A 66µS (Cree)
Operating temperature	-20°C / +45°C	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity	1 pc	1 pc
Weight single package	1.170 g	1.170 g
Dimensions single package	235x235x85 mm	235x235x85 mm
Quantity per carton	20	20
Dimensions carton	800x600x300 mm (0,144 m³)	800x600x300 mm (0,144 m³)
Quantity per pallet	240 pcs	240 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	7 years	7 years

All values are measured at 230V (+/- 7%)

Measurements



185-210 mm: for hard mineral plates
185-190 mm: for soft mineral plates,
after installation turn the frontring
clockwise.

Correction Ring:
By using a separate Correction Ring
(290/185mm) the hole size can be
extended to 250 mm (Page 41).

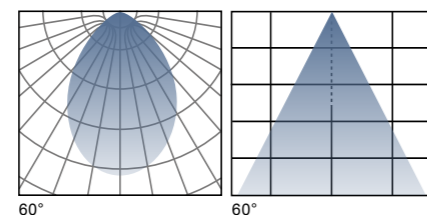
IP20/IP44:
Only when the luminary is installed
in a closed ceiling it can be exposed
to splashing water from the front side.

Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tc Module	Tc PS
Warranty	50.000 hrs	70°C	75°C
Test data from Module supplier	83.900 hrs	85°C	
Test data from Power supply supplier	50.000 hrs		75°C
Beryl CR 185 LV+PS 1250 Lm	>70.000 hrs	55°C	46°C
Beryl CR 185 LV+PS 2000 Lm	>70.000 hrs	64°C	49°C

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing

Photometrics



Correction Ring
(Page 41)



Emergency Units
(Page 40)



Antiglare Ring



TCI Powersupply

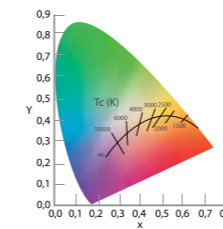
	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl CR 185 LV+PS 1250 Lm 2700K	06IL981000MW3202	06IL981000MW3502	06IL981000MW6202
Beryl CR 185 LV+PS 1250 Lm 3000K	06IL981000MW3302	06IL981000MW3602	06IL981000MW6302
Beryl CR 185 LV+PS 1250 Lm 4000K	06IL981000MW3402	06IL981000MW3702	06IL981000MW6402
Beryl CR 185 LV+PS 2000 Lm 2700K	06IL981100MW3202	06IL981100MW3502	06IL981100MW6202
Beryl CR 185 LV+PS 2000 Lm 3000K	06IL981100MW3302	06IL981100MW3602	06IL981100MW6302
Beryl CR 185 LV+PS 2000 Lm 4000K	06IL981100MW3402	06IL981100MW3702	06IL981100MW6402



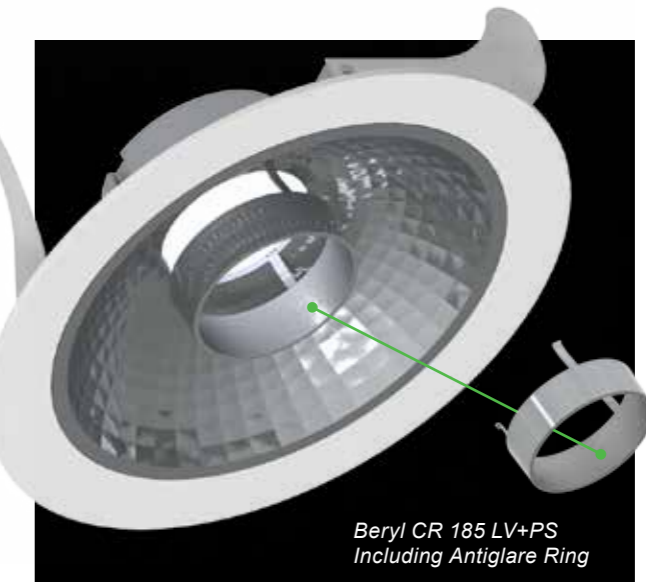
CREE Powersupply

	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl CR 185 LV+PS 2000 Lm 2700K	06IL9C1100MW3202	06IL9C1100MW3502	Not available
Beryl CR 185 LV+PS 2000 Lm 3000K	06IL9C1100MW3302	06IL9C1100MW3602	Not available
Beryl CR 185 LV+PS 2000 Lm 4000K	06IL9C1100MW3402	06IL9C1100MW3702	Not available

Black Body Line



During the dimming curve,
the color of the light stays
on the Black Body Line
for optimal light quality.



Beryl CR 185 LV+PS
Including Antiglare Ring

Accessory

	Antiglare Ring Beryl CR 185 LV+PS Chrome
Article no.	06IL009500CH0000
Package Type	Plastic bag
Quantity per carton	15 pcs
Dimensions carton	233x233x85 mm

Function

The Antiglare Ring reduces the direct glare to the
human eye. It can be installed in the reflector afterwards.

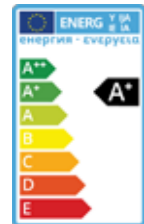
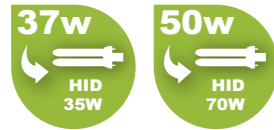




Ø 230 mm



Incl.

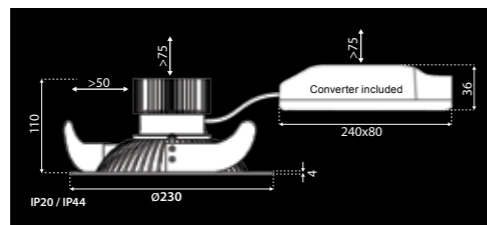


Specifications

	Beryl CR 185 LV+PS 3000 Lm	Beryl CR 185 LV+PS 4000 Lm
Color	Matt white RAL 9016	Matt white RAL 9016
Input voltage TCI Power supply	110-240V (DALI & 1-10V) 110-240V (Non dimming)	110-240V (DALI & 1-10V) 110-240V (Non dimming)
Input voltage CREE Power supply	220-240V (DALI & 1-10V)	220-240V (DALI & 1-10V)
Frequency	50/60 Hz	50/60 Hz
Light Source Wattage	31,57W	42,1W
Inrush current	3000 Lm	4000 Lm
Light Source Efficacy	95 Lm/W	95 Lm/W
System Wattage	37,5W	50W
System Efficacy with Driver	80 Lm/W	80 Lm/W
Color Rendering Index (CRI)	95 (Typeical)	95 (Typeical)
Beam angle	80°	80°
Material	Aluminium	Aluminium
Environment	Indoor, outdoor	Indoor, outdoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Powerfactor (Pf)	0,98 (TCI) / 0,95 (CREE)	0,98 (TCI) / 0,95 (CREE)
Inrush current	20A 400µS (TCI) 5A 66µS (Cree)	20A 400µS (TCI) 5A 66µS (Cree)
Operating temperature	-20°C / +45°C	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity	1 pc	1 pc
Weight single package	1.225 g	1.225 g
Dimensions single package	235x235x120 mm	235x235x120 mm
Quantity per carton	15	15
Dimensions carton	800x600x300 mm (0,144 m³)	800x600x300 mm (0,144 m³)
Quantity per pallet	180 pcs	180 pcs
Expected lifetime at 25°C (L70)	70.000 hrs	70.000 hrs
Warranty	7 years	7 years

All values are measured at 230V (+/- 7%)

Measurements



185-210 mm: for hard mineral plates
185-190 mm: for soft mineral plates,
after installation turn the fronting
clockwise.

Correction Ring:
By using a separate Correction Ring
(290/185mm) the hole size can be
extended to 250 mm (Page 41).

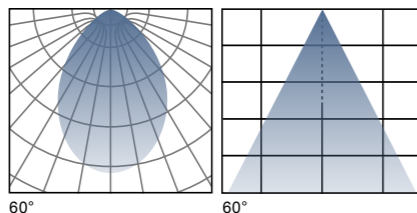
IP20/IP44:
Only when the luminaire is installed
in a closed ceiling it can be exposed
to splashing water from the front side.

Expected lifetime data

Test information	Expected lifetime Ta 25°C (L70)	Tc Mod- ule	Tc PS
Warranty	50.000 hrs	70°C	70°C
Test data from Module supplier	83.900 hrs	85°C	
Test data from Power supply supplier	50.000 hrs		70°C
Beryl CR 185 LV+PS 3000 Lm	>70.000 hrs	56°C	43°C
Beryl CR 185 LV+PS 4000 Lm	>70.000 hrs	61°C	47°C

* Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing

Photometrics



Correction Ring
(Page 41)



Emergency Units
(Page 40)



Antiglare Ring



TCI Powersupply

	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl CR 185 LV+PS 3000 Lm 2700K	06IL981200MW3202	06IL981200MW3502	06IL981200MW6202
Beryl CR 185 LV+PS 3000 Lm 3000K	06IL981200MW3302	06IL981200MW3602	06IL981200MW6302
Beryl CR 185 LV+PS 3000 Lm 4000K	06IL981200MW3402	06IL981200MW3702	06IL981200MW6402
Beryl CR 185 LV+PS 4000 Lm 2700K	Not available	Not available	Not available
Beryl CR 185 LV+PS 4000 Lm 3000K	06IL981300MW3302	06IL981300MW3602	06IL981300MW6302
Beryl CR 185 LV+PS 4000 Lm 4000K	06IL981300MW3402	06IL981300MW3702	06IL981300MW6402



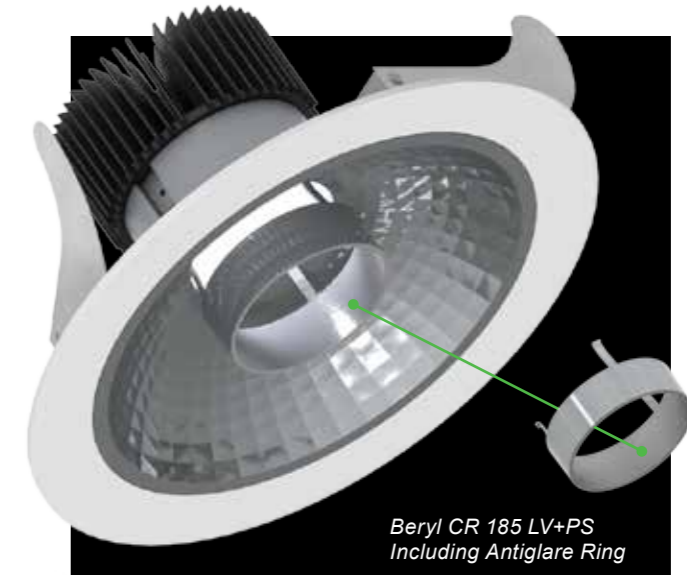
TCI

CREE Powersupply

	1-10V Article no.	DALI Article no.	NON DIMMING
Beryl CR 185 LV+PS 3000 Lm 2700K	06IL9C1200MW3202	06IL9C1200MW3502	Not available
Beryl CR 185 LV+PS 3000 Lm 3000K	06IL9C1200MW3302	06IL9C1200MW3602	Not available
Beryl CR 185 LV+PS 3000 Lm 4000K	06IL9C1200MW3402	06IL9C1200MW3702	Not available
Beryl CR 185 LV+PS 4000 Lm 2700K	Not available	Not available	Not available
Beryl CR 185 LV+PS 4000 Lm 3000K	06IL9C1300MW3302	06IL9C1300MW3602	Not available
Beryl CR 185 LV+PS 4000 Lm 4000K	06IL9C1300MW3402	06IL9C1300MW3702	Not available

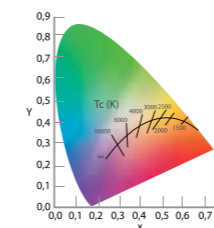


CREE



Beryl CR 185 LV+PS
Including Antiglare Ring

Black Body Line



During the dimming curve,
the color of the light stays
on the Black Body Line
for optimal light quality.

Accessory

	Antiglare Ring Beryl CR 185 LV+PS Chrome
Article no.	06IL009500CH0000
Package Type	Plastic bag
Quantity per carton	15 pcs
Dimensions carton	233x233x85 mm

Function

The Antiglare Ring reduces the direct glare to the
human eye. It can be installed in the reflector afterwards.





Although the emergency units have a separate article number they will be assembled to the luminaire. Also each emergency unit is equipped with a 4-Pole GST18 male plug for easy connection to the mains.

185 LV+PS

In case of a power failure the battery pack will keep the luminary light up at a lower level for at least 1 or 3 hours.

The distance between each emergency unit is usually around 8-10 mtr.

Accessory

A female plug is available for connection to a 1,5 mm² installation cable.

185 HV

A separate green LED is integrated in the middle of the luminary, in case of a power failure the same led start to emit white light.

The distance between each emergency unit is usually around 8-10 mtr.

185 LV+PS

Description	Emergency unit 185 LV+PS 1 Hr	Emergency unit 185 LV+PS 1 Hr	Emergency unit 185 LV+PS 3 Hrs
Pole	GST18 4-pole	GST18 4-pole Autotest	GST18 4-pole
Article no.	06IL185LVPS0EP1-4	06IL185LVPS0EP1-4A	06IL185LVPS0EP3-4
Light output	1250 Lm = 60% of original output	1250 Lm = 60% of original output	1250 Lm = 50% of original output
	2000 Lm = 52% of original output	2000 Lm = 52% of original output	2000 Lm = 42% of original output
	3000 Lm = 38% of original output	3000 Lm = 38% of original output	3000 Lm = 28% of original output
	4000 Lm = 24% of original output	4000 Lm = 24% of original output	4000 Lm = 14% of original output

All values are measured at 230V (+/- 7%)

185 HV

Description	Emergency unit 185 HV 3Hr	Emergency unit 185 HV 1Hr
Pole	GST18 4-pole	GST18 4-pole Autotest
Article no.	06IL185HV0EP3-4	06IL185HV0EP1-4A

All values are measured at 230V (+/- 7%)

Accessory

Description	HV gniazdo GST18 4-polowe
Pole	Gniazdo GST18 4-polowe
Article number.	06ILP00-201049BL

All values are measured at 230V (+/- 7%)

Description	Emergency unit 595 LP 1 Hr	Emergency unit 595 LP 1 Hr	Emergency unit 595 LP 3 Hrs
Pole	GST18 4-pole	GST18 4-pole Autotest	GST18 4-pole
Article number	06IL595LP0EP1-4	06IL595LP0EP1-4A	06IL595LP0EP3-4

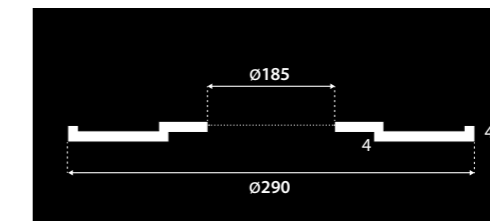
All values are measured at 230V (+/- 7%)

Accessory

Correction Ring	
Article no.	06IL009400MW0000
Color	Matt white RAL 9016
Material	Aluminium
Package Type	Plastic bag
Quantity per carton	20 pcs
Dimensions carton	293x293x120 mm



Measurements



Function

The Correction Ring is a perfect solution for retrofit installations where the ceiling apertures are bigger than 215 mm.

Because the 230 mm front ring of the standard luminaire fits exactly in the 230 mm step of the ceiling ring, it will look like it is a special designed luminaire. The correction ring can also be used for holding the springs of the luminaire at the backside. The ceiling plate will be clamped between the frontring and backing.



INDEX: SURFACE MOUNT

Page 2 - 3 **LEGEND**

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Page 43 - 47 **SURFACE MOUNT**

Beryl C 100
Fixed



Beryl C 235
Fixed



Beryl LD 100
Fixed



Beryl LD 235
Fixed



Page 49 - 51 **FLOORLIGHTS**

Page 53 - 59 **PLUG & PLAY SOLUTIONS**

Comparison light output

Halogen 50W 230V	= 50W (6-8 Lm/W)	= 300-400 Lm
Halogen 50W 12V	= 50W (12-16 Lm/W)	= 600-800 Lm
Fluorescent lamps TC-DEL 2x18W	= 36W (38-46 Lm/W)	= 1368-1656 Lm
Fluorescent lamps TC-DEL 2x26W	= 52W (38-46 Lm/W)	= 1976-2392 Lm
Discharge metal halide lamp HI-T 70W	= 70W (42-51 Lm/W)	= 2940-3570 Lm
Discharge metal halide lamp HI-T 35W	= 35W (42-51 Lm/W)	= 1470-1785 Lm

SURFACE MOUNT

BENEFITS

- Revolutionary AC LED technology
- Can be connected directly to 220-240V outlets (no converter needed), which ensures high reliability

FEATURES

- Dimmable with most RL dimmers
- Powered by high quality Energy Star LED Type
- Comparable with mains voltage halogen GU10-50W
- Consistent color between each luminaire
- Homogeneous light beam
- Antiglare protection
- No heat and UV radiation
- Comply with the latest Powerfactor norms (>0.90)
- No radio signal interference



Ø 103 mm



Ø 235 mm



Specifications

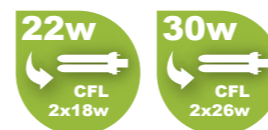
Beryl C 100 HV	
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006
Input voltage	220-240V~ 50/60 Hz
Inrush current	400 Lm / 600 Lm
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20
Protection against shock	IK02
Powerfactor (Pf)	400 Lm = 0,91 / 600 Lm = 0,98
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	446 g
Dimensions single package	105x105x105 mm
Quantity per carton	35 pcs
Dimensions carton	600x400x400 mm (0.096 m³)
Quantity per pallet	560 pcs
Expected lifetime at 25°C (L70)	50.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)

Specifications

Beryl C 235 HV	
Color	Matt white RAL 9016
Input voltage	220-240V~ 50/60 Hz
Inrush current	1250 Lm / 2000 Lm
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20
Protection against shock	IK02
Powerfactor (Pf)	>0,98
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	2053 g
Dimensions single package	235x235x120 mm
Quantity per carton	15 pcs
Dimensions carton	800x600x300 mm (0,144 m³)
Quantity per pallet	180 pcs
Expected lifetime at 25°C (L70)	50.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)



Product variations

Description	Article no. DIMMABLE	W	Efficacy	CRI
Beryl C 100 HV-400 Lm 3000K	06IL757000XX2002	9W	45 Lm/W	82
Beryl C 100 HV-600 Lm 2700K	06IL757600XX1702	11W	55 Lm/W	82
Beryl C 100 HV-600 Lm 3000K	06IL757600XX2002	11W	55 Lm/W	82
Beryl C 100 HV-600 Lm 4000K	06IL757600XX2402	11W	55 Lm/W	82

All values are measured at 230V (+/- 7%)

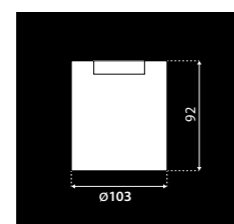
Product variations

Description	Article no. DIMMABLE	W	Efficacy	CRI
Beryl C 235 HV-1250 Lm 2700K	06IL797100MW1702	24W	52 Lm/W	82
Beryl C 235 HV-1250 Lm 3000K	06IL797100MW2002	22W	57 Lm/W	82
Beryl C 235 HV-1250 Lm 4000K	06IL797100MW2402	20W	63 Lm/W	82
Beryl C 235 HV-2000 Lm 2700K	06IL797900MW1702	33W	60 Lm/W	82
Beryl C 235 HV-2000 Lm 3000K	06IL797900MW2002	30W	65 Lm/W	82
Beryl C 235 HV-2000 Lm 4000K	06IL797900MW2402	28W	72 Lm/W	82

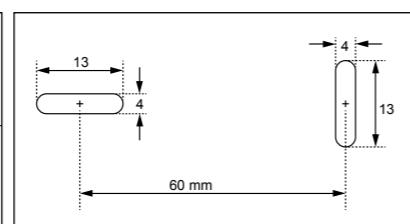
All values are measured at 230V (+/- 7%)



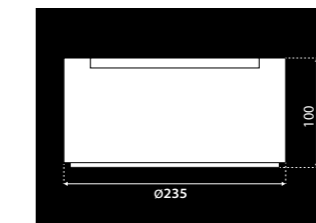
Measurements



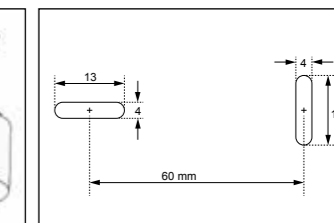
Fixation dimensions



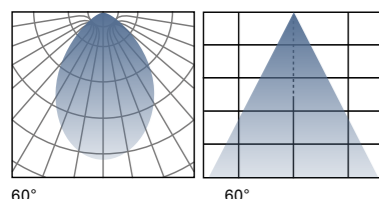
Measurements



Fixation dimensions



Photometrics



60°

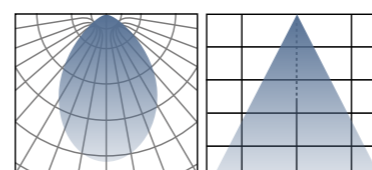
60°

Expected lifetime data

Test information	TJ 220V	Expected Lifetime	TJ 230V	Expected Lifetime	TJ 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	63°C	50.000 hrs	63°C	50.000 hrs	63°C	50.000 hrs
Test data from LED supplier	93°C	27.000 hrs	93°C	27.000 hrs	93°C	27.000 hrs
Beryl C 100 HV-400 Lm	59°C	50.000 hrs	64°C	49.000 hrs	69°C	45.000 hrs
Beryl C 100 HV-600 Lm	63°C	50.000 hrs	64°C	49.000 hrs	65°C	48.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

Photometrics



60°

60°

Expected lifetime data

Test information	TJ 220V	Expected Lifetime	TJ 230V	Expected Lifetime	TJ 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	63°C	50.000 hrs	63°C	50.000 hrs	63°C	50.000 hrs
Test data from LED supplier	93°C	27.000 hrs	93°C	27.000 hrs	93°C	27.000 hrs
Beryl C 235 HV-1250 Lm	46°C	50.000 hrs	47°C	50.000 hrs	48°C	50.000 hrs
Beryl C 235 HV-2000 Lm	62°C	50.000 hrs	63°C	50.000 hrs	64°C	49.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)



Ø 103 mm



Ø 235 mm



Specifications

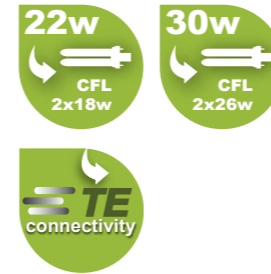
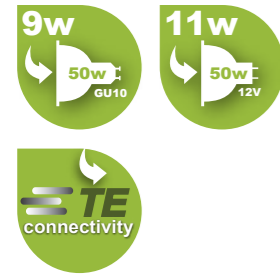
Beryl LD 100 HV	
Color (XX) (choose white or grey)	MW = Matt white RAL 9016 / GR = Matt grey RAL 9006
Input voltage	220-240V~ 50/60 Hz
Inrush current	400 Lm / 600 Lm
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20
Protection against shock	IK02
Powerfactor (Pf)	400 Lm = 0,91 / 600 Lm = 0,98
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	446 g
Dimensions single package	105x105x105 mm
Quantity per carton	35 pcs
Dimensions carton	600x400x400 mm (0.096 m³)
Quantity per pallet	560 pcs
Expected lifetime at 25°C (L70)	400 Lm = 49.000 hrs / 600 Lm = 50.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)

Specifications

Beryl LD 235 HV	
Color	Matt white RAL 9016
Input voltage	220-240V~ 50/60Hz
Inrush current	1250 Lm / 2000 Lm
Beam angle	60°
Material	Aluminium
Environment	Indoor, outdoor
Protection against water	IP20
Protection against shock	IK02
Powerfactor (Pf)	>0,98
Dimmable	Yes, see dimmer compatibility at page 12
Operating temperature	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity single package	1 pc
Weight single package	2053 g
Dimensions single package	235x235x120 mm
Quantity per carton	15 pcs
Dimensions carton	800x600x300 mm (0,144 m³)
Quantity per pallet	180 pcs
Expected lifetime at 25°C (L70)	400 Lm = 49.000 hrs / 600 Lm = 50.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)



Product variations

Description	Article no. DIMMABLE	Moc W	Efficacy	CRI
Beryl LD 100 HV-400 Lm 3000K	06IL787000XX2002	9W	45 Lm/W	82
Beryl LD 100 HV-600 Lm 2700K	06IL787600XX1702	11W	55 Lm/W	82
Beryl LD 100 HV-600 Lm 3000K	06IL787600XX2002	11W	55 Lm/W	82
Beryl LD 100 HV-600 Lm 4000K	06IL787600XX2402	11W	55 Lm/W	82

All values are measured at 230V (+/- 7%)

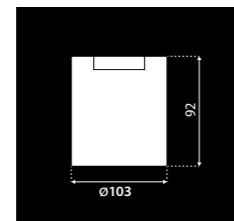
Product variations

Description	Article no. DIMMABLE	W	Efficacy	CRI
Beryl LD 235 HV-1250 Lm 2700K	06IL817100MW1702	24W	52 Lm/W	82
Beryl LD 235 HV-1250 Lm 3000K	06IL817100MW2002	22W	57 Lm/W	82
Beryl LD 235 HV-1250 Lm 4000K	06IL817100MW2402	20W	63 Lm/W	82
Beryl LD 235 HV-2000 Lm 2700K	06IL817900MW1702	33W	60 Lm/W	82
Beryl LD 235 HV-2000 Lm 3000K	06IL817900MW2002	30W	65 Lm/W	82
Beryl LD 235 HV-2000 Lm 4000K	06IL817900MW2402	28W	72 Lm/W	82

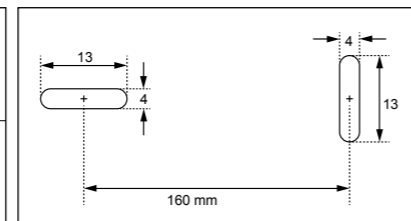
All values are measured at 230V (+/- 7%)



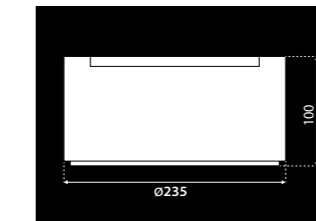
Measurements



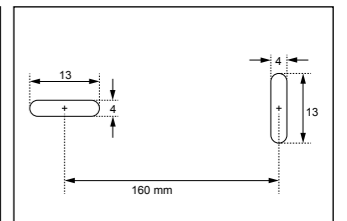
Fixation dimensions



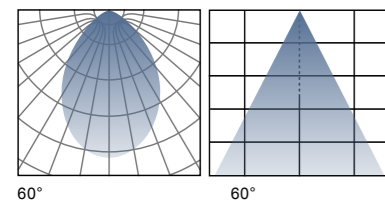
Measurements



Fixation dimensions



Photometrics

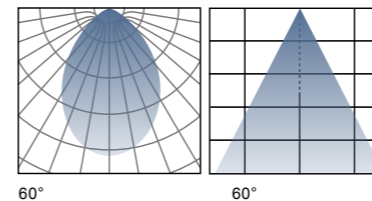


Expected lifetime data

Test information	Tj 220V	Expected Lifetime	Tj 230V	Expected Lifetime	Tj 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	63°C	50.000 hrs	63°C	50.000 hrs	63°C	50.000 hrs
Test data from LED supplier	93°C	27.000 hrs	93°C	27.000 hrs	93°C	27.000 hrs
Beryl LD 100 HV-400 Lm	59°C	50.000 hrs	64°C	49.000 hrs	69°C	45.000 hrs
Beryl LD 100 HV-600 Lm	63°C	50.000 hrs	64°C	49.000 hrs	65°C	48.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

Photometrics



Expected lifetime data

Test information	Tj 220V	Expected Lifetime	Tj 230V	Expected Lifetime	Tj 240V	Expected Lifetime
Test data from LED supplier	33°C	50.000 hrs	33°C	50.000 hrs	33°C	50.000 hrs
Test data from LED supplier	63°C	50.000 hrs	63°C	50.000 hrs	63°C	50.000 hrs
Test data from LED supplier	93°C	27.000 hrs	93°C	27.000 hrs	93°C	27.000 hrs
Beryl LD 235 HV-1250 Lm	46°C	50.000 hrs	47°C	50.000 hrs	48°C	50.000 hrs
Beryl LD 235 HV-2000 Lm	62°C	50.000 hrs	63°C	50.000 hrs	64°C	49.000 hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

INDEX: FLOORLIGHTS

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Page 49 - 51 **FLOORLIGHTS**

Mondo LED Point
LV 0,5W floorlight



Page 53 - 59 **PLUG & PLAY SOLUTIONS**

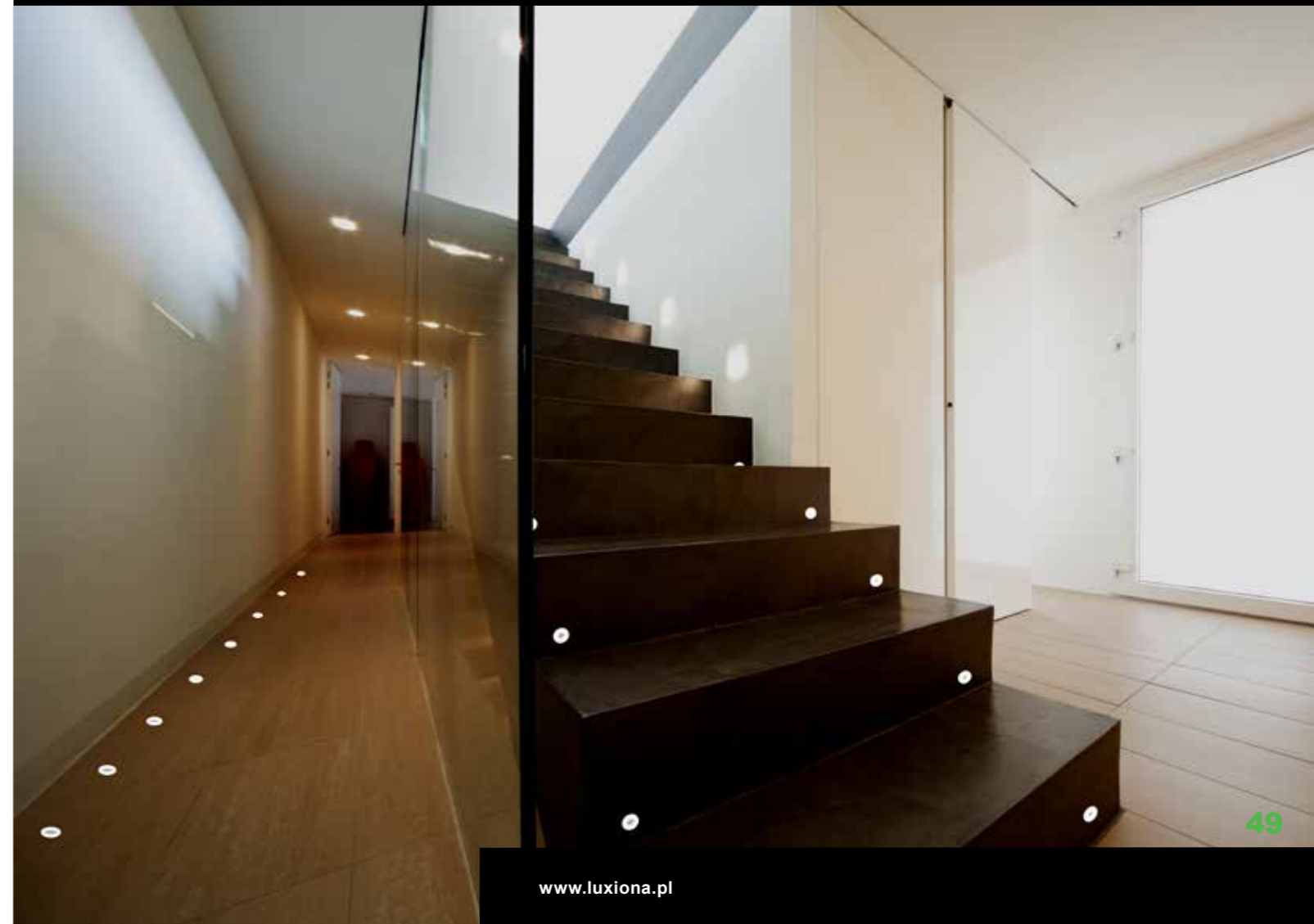
Comparison light output

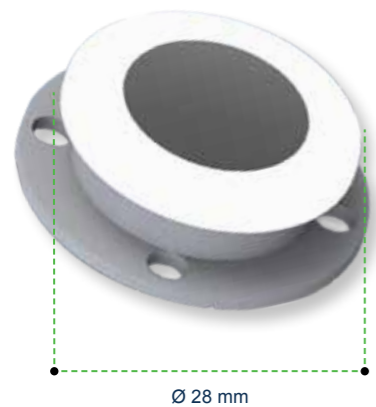
Halogen 50W 230V	= 50W (6-8 Lm/W)	= 300-400 Lm
Halogen 50W 12V	= 50W (12-16 Lm/W)	= 600-800 Lm
Fluorescent lamps TC-DEL 2x18W	= 36W (38-46 Lm/W)	= 1368-1656 Lm
Fluorescent lamps TC-DEL 2x26W	= 52W (38-46 Lm/W)	= 1976-2392 Lm
Discharge metal halide lamp HI-T 70W	= 70W (42-51 Lm/W)	= 2940-3570 Lm
Discharge metal halide lamp HI-T 35W	= 35W (42-51 Lm/W)	= 1470-1785 Lm

FLOORLIGHTS

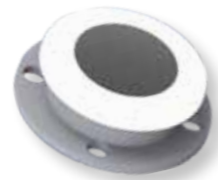
FEATURES

- Low recess depth of only 9 mm
- Supplied with NECTOR S plug system for Plug & Play installation (NECTOR is an official TE Connectivity Trademark)
- Powered by high quality Energy Star LED Type
- Consistent color between each floorlight
- No heat or UV radiation
- Waterproof front
- EMC test report





Ø 28 mm



Specifications

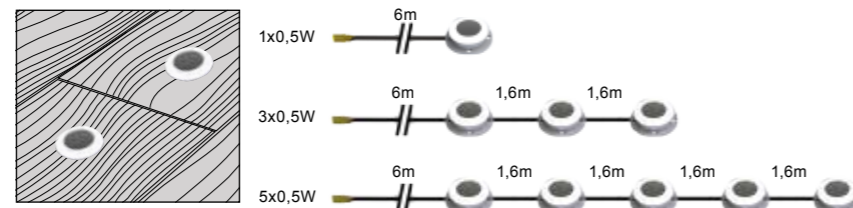
	Mondo LED Point 0,5W
Color	Silver
Input voltage	24Vdc SELV
Wattage /Inrush current	0,5W / 30 Lm
Efficacy	60 Lm/W
Correlated Color Temperature (CCT)	4000K
Color Rendering Index (CRI)	80
Beam angle	120°
Material	Polycarbonate
Environment	Indoor
Protection against water	IP20/ IP67
Protection against shock	IK08
Dimmable	Not dimmable
Operating temperature	-20°C / +70°C
Safety norms	EN60598 / EN62031 / EN62471
EMC norms	EN55015
Quantity / Dimensions single package	1 pc / 105x105x61 mm
Quantity per carton	42 pcs
Dimensions carton	400x300x380 mm (0.046 m³)
Quantity per pallet	1344 pcs
Expected lifetime at 25°C (L70)	77.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)

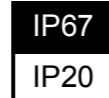
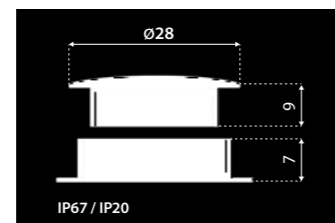
Product variations

Description	Article no.	Weight single package
Mondo LED Point 1x0,5W	06IL023500SR3002	120 g
Mondo LED Point 3x0,5W	06IL033500SR3002	170 g
Mondo LED Point 5x0,5W	06IL043500SR3002	220 g

All values are measured at 230V (+/- 7%)



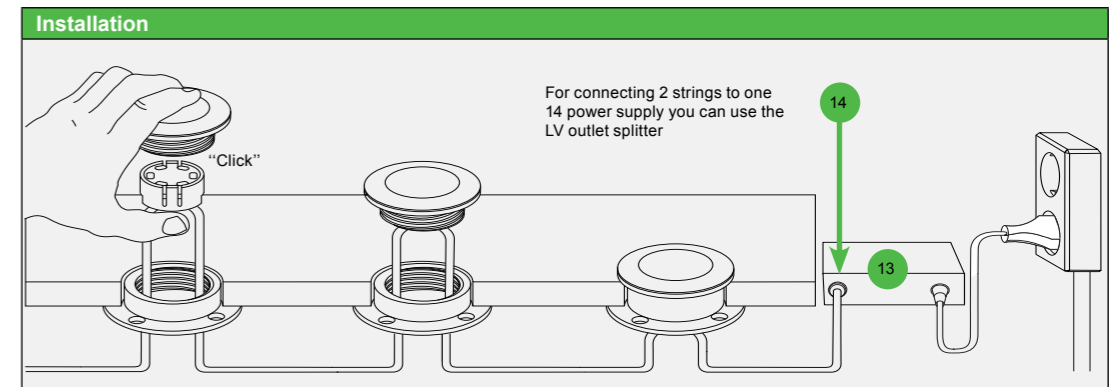
Measurements



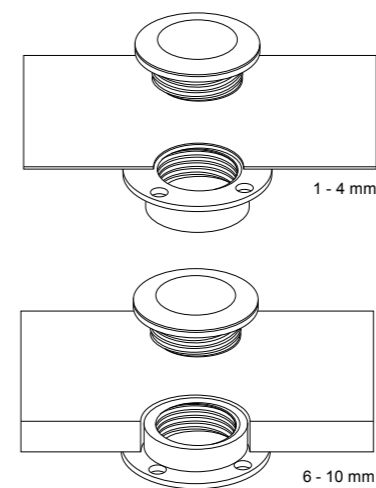
IP67/IP20:
If the cables at the backside are sealed correctly by the installer then the luminaire is completely IP67

Expected lifetime data

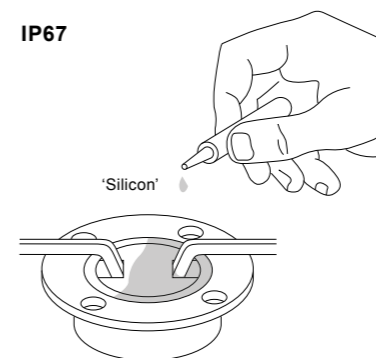
Test information	Expected lifetime Ta 25°C (L70)	Tj
Test data from LED supplier	not indicated	58°C
Test data from LED supplier	82.778 hrs	68°C
Test data from LED supplier	47.335 hrs	98°C
Mondo LED Point - 0,5W	70.000 hrs	75°C



Material thickness



IP67



Seal the cable entry to make sure no water can enter the luminary, (for wet environment only).



Article no.	06IL505100BL0002
Description	PS 1x7W (max. 2x5 spots)
Measurements	92x40x24 mm
Input voltage	110-240V~ 50/60 Hz
Output voltage	24Vdc SELV
Powerfactor (Pf)	110V: 98 / 240V: 92
Efficiency	110V: 81% / 240V: 81%
Ripple	110V: 1500mV / 240V: 1420mV
Safety norms	EN61347
EMC norms	EN55015
Operating temperature	-20°C / +70°C
Protection against water	IP20
Quantity single package	1 pc
Weight single package	116 g
Package Type	105x105x61 mm
Quantity per carton	36 pcs
Dimensions carton	400x300x380 mm (0.046 m³)
Quantity per pallet	1152 pcs
Expected lifetime at 25°C	110.000 hrs
Warranty	3 years

All values are measured at 230V (+/- 7%)



Article no.	06IL009200YL0000
Description	LV Outlet Splitter
Protection against water	IP20
Input voltage	24V
Warranty	3 years
Safety norms	EN60320
Quantity single package	1 pc
Weight single package	150 g
Package Type	Plastic bag
Quantity per carton	4.000 pcs
Dimensions carton	400x300x380 mm (0.046 m³)
Quantity per pallet	192.000 pcs

All values are measured at 230V (+/- 7%)

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PLUG & PLAY SOLUTIONS HV
solution 1 / 2 / 3



PLUG & PLAY SOLUTIONS LV
solution 4 / 5 / 6



Comparison light output

Halogen 50W 230V	= 50W (6-8 Lm/W)	= 300-400 Lm
Halogen 50W 12V	= 50W (12-16 Lm/W)	= 600-800 Lm
Fluorescent lamps TC-DEL 2x18W	= 36W (38-46 Lm/W)	= 1368-1656 Lm
Fluorescent lamps TC-DEL 2x26W	= 52W (38-46 Lm/W)	= 1976-2392 Lm
Discharge metal halide lamp HI-T 70W	= 70W (42-51 Lm/W)	= 2940-3570 Lm
Discharge metal halide lamp HI-T 35W	= 35W (42-51 Lm/W)	= 1470-1785 Lm

PLUG & PLAY SOLUTIONS

FEATURES

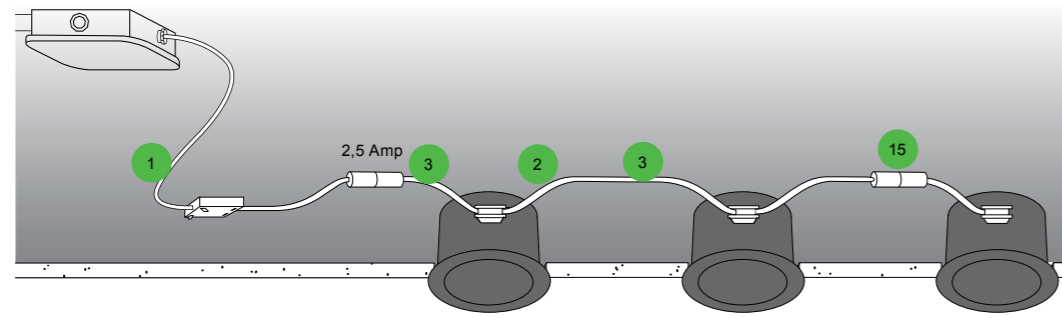
- Long lifetime
- Efficiency and Powerfactor according newest norms
- Including cables to led module
- Choice of connection cables to the mains
- Self resetting protection
- LowInrush current
- Universal input voltage 110-240V
- Comply with all relevant norms
- Switching powersupply

NECTOR S CONNECTOR SYSTEM

- Save money and time with easy installation
- No polarity problems anymore
- New market standard
- 10 mm plug system
- Both star and line installation possible
- Connectable to Wieland GST18 system

220-240V Line installation (Busbar)

Suspended ceiling



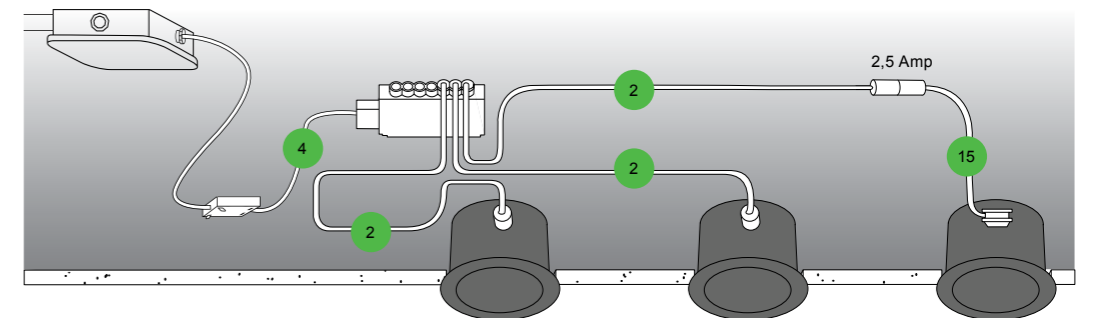
	1	2	3
Article no.	06IL595200BL0000	06IL605200BL0000	06IL615200BL0000
Description	HV Outlet to Europlug 2,0 m	HV Outlet to GST18 3P male 0,5 m	HV Outlet to Connection box 0,5 m
Protection against water	IP20	IP20	IP20
Voltage	220-240V~	220-240V~	220-240V~
Warranty	3 years	3 years	3 years
Safety norms	EN60320	EN60320	EN60320
Quantity single package	1 pc	1 pc	1 pc
Weight single package	92 g	38 g	48 g
Package Type	Plastic bag	Plastic bag	Plastic bag
Quantity per carton	160 pcs	160 pcs	160 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	5120 pcs	5120 pcs	5120 pcs

All values are measured at 230V (+/- 7%)



220-240V Star installation (6 Way distributor box)

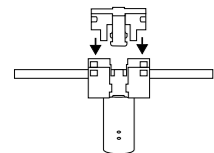
Suspended ceiling



	4	2	15
Article no.	06IL599300BL0000	06IL609300BL0000	06IL619300BL0000
Description	6 Way Distributor to Europlug 1,8 m	6 Way Distrib. to GST18 3P male 1,0 m	6 Way Distributor to Conn. box 1,0 m
Protection against water	IP20	IP20	IP20
Voltage	220-240V~	220-240V~	220-240V~
Warranty	3 years	3 years	3 years
Safety norms	EN60320	EN60320	EN60320
Quantity single package	1 pc	1 pc	1 pc
Weight single package	108 g	76 g	88 g
Package Type	Plastic bag	Plastic bag	Plastic bag
Quantity per carton	120 pcs	120 pcs	120 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	3840 pcs	3840 pcs	3840 pcs

All values are measured at 230V (+/- 7%)

HV Busbar



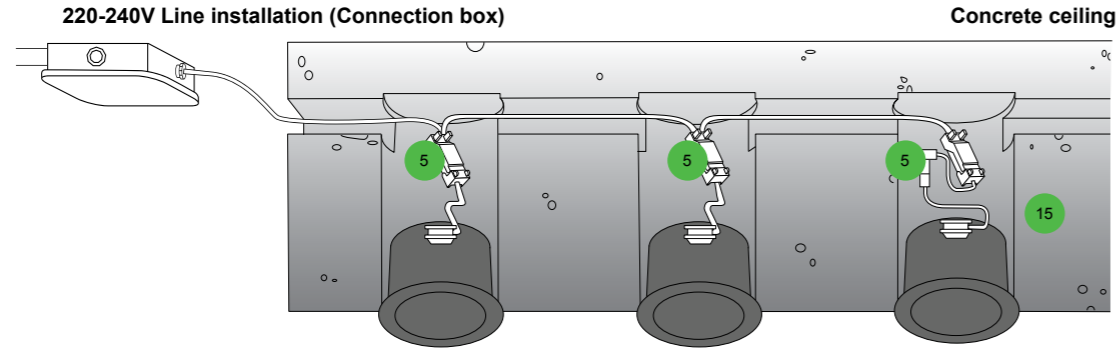
The HV Busbar is a customer friendly product that will give you an easy installation. Just place the cable in the busbar holder and push the cap on!

	2	3	15
Article no.	06IL545200BL1500	06IL009100BL0000	06IL585200BL0000
Description	HV Plug to Outlet 3,0 m	HV Busbar	HV Dimming cable 0,2 m
Protection against water	IP20	IP20	IP20
Voltage	220-240V~	220-240V~	220-240V~
Warranty	3 years	3 years	3 years
Safety norms	EN60320	EN60320	EN60320
Quantity single package	1 pc	10 pcs	1 pc
Weight single package	106 g	30 g	20 g
Package Type	Plastic bag	Plastic bag	Plastic bag
Quantity per carton	120 pcs	3.200 pcs	160 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	3840 pcs	102.400 pcs	5120 pcs

All values are measured at 230V (+/- 7%)

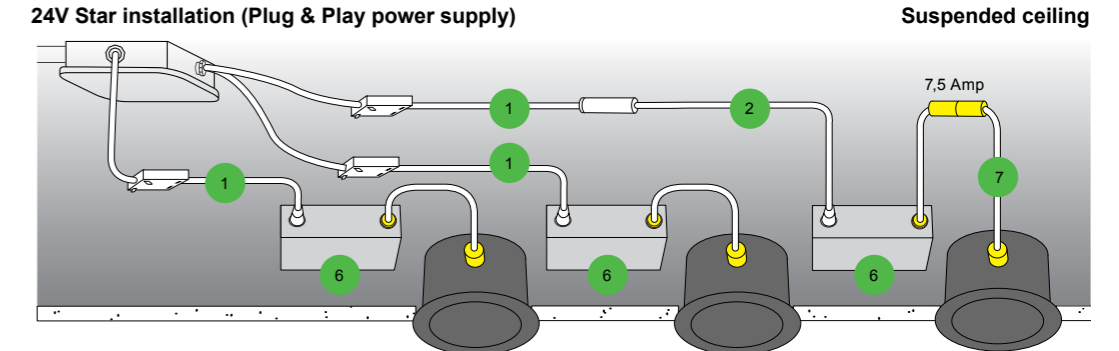
	2	15	
Article no.	06IL545200BL1500	06IL585200BL0000	
Description	HV Plug to Outlet 3,0 m	HV Dimming cable 0,2 m	
Protection against water	IP20	IP20	
Voltage	220-240V~	220-240V~	
Warranty	3 years	3 years	
Safety norms	EN60320	EN60320	
Quantity single package	1 pc	1 pc	
Weight single package	106 g	20 g	
Package Type	Plastic bag	Plastic bag	
Quantity per carton	120 pcs	160 pcs	
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	
Quantity per pallet	3840 pcs	5120 pcs	

All values are measured at 230V (+/- 7%)



	5	15	
Article no.	06IL575200BL0000	06IL585200BL0000	
Description	HV Busbar to Connection box 0,2 m	HV Dimming cable 0,2 m	
Protection against water	IP20	IP20	
Voltage	220-240V~	220-240V~	
Warranty	3 years	3 years	
Safety norms	EN60320	EN60320	
Quantity single package	1 pc	1 pc	
Weight single package	38 g	20 g	
Package Type	Plastic bag	Plastic bag	
Quantity per carton	160 pcs	160 pcs	
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	
Quantity per pallet	5120 pcs	5120 pcs	

All values are measured at 230V (+/- 7%)

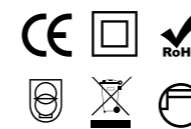


	1	2	7
Article no.	06IL595200BL0000	06IL605200BL0000	06IL615200BL0000
Description	HV Outlet to Europlug 2,0 m	HV Outlet to GST18 3P male 0,5 m	HV Outlet to Connection box 0,5 m
Protection against water	IP20	IP20	IP20
Voltage	220-240V~	220-240V~	220-240V~
Warranty	3 years	3 years	3 years
Safety norms	EN60320	EN60320	EN60320
Quantity single package	1 pc	1 pc	1 pc
Weight single package	92 g	38 g	48 g
Package Type	Plastic bag	Plastic bag	Plastic bag
Quantity per carton	160 pcs	160 pcs	160 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	5120 pcs	5120 pcs	5120 pcs

All values are measured at 230V (+/- 7%)

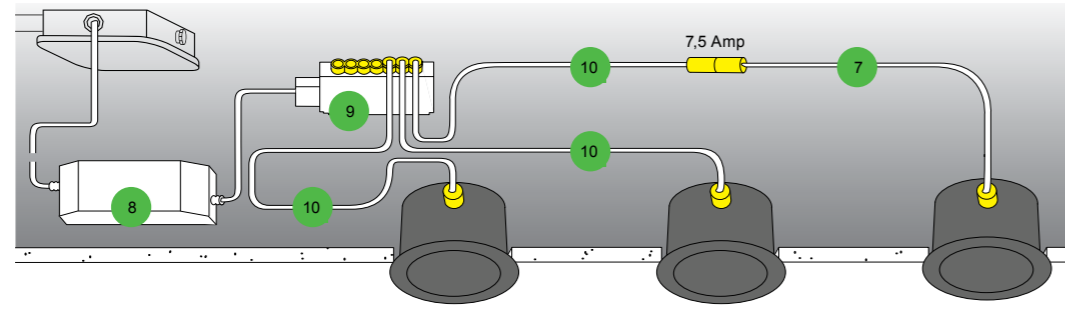
	6	2	7
Article number.	06IL495100BL1202	06IL545200BL1500	06IL535200BL1200
Description	PS 1x14W + 1 LV cable 2,0 m	HV Plug to Outlet 3,0 m	LV Plug to Outlet (extension)
Measurements	92x50x24 mm		
Input Voltage	110-240V~ 50/60 Hz	220-240V~	24V
Output voltage	24Vdc SELV		
Powerfactor (Pf)	110V: 98 / 240V: 94		
Efficiency	110V: 84% / 240V: 83%		
Ripple	110V: 1280mV / 240V: 2000mV		
Safety norms	EN61347	EN60320	EN60320
EMC norms	EN55015		
Operating temperature	-20°C / +70°C		
Protection against water	IP20	IP20	IP20
Quantity single package	1 pc	1 pc	1 pc
Weight single package	152 g	106 g	34 g
Package Type	105x105x61 mm	Plastic bag	Plastic bag
Quantity per carton	36 pcs	120 pcs	160 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	1152 pcs	3840 pcs	5120 pcs
Expected lifetime at 25°C	87.000 hrs		
Warranty	3 years	3 years	3 years



All values are measured at 230V (+/- 7%)

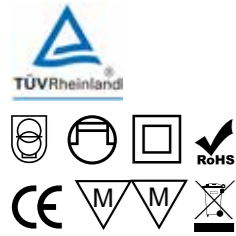


24V Star installation (6 Way distributor box)

Suspended ceiling



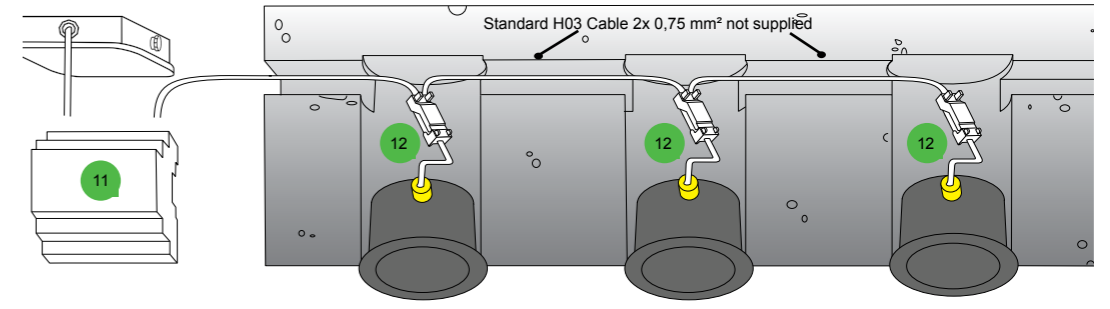
	8 	8 
	Max 6 spots	Max 8 spots
Article number	06IL703800000002	06IL703900000002
Description	TCI 220-240/24V 70W	TCI 220-240/24V 150W
Measurements	225x60x36 mm	240x60x49 mm
Voltage	198-264V~ 50/60 Hz	198-264V~ 50/60 Hz
Output voltage	24Vdc SELV	24Vdc SELV
Powerfactor (Pf)	0.91	0.97
Efficiency	87%	90%
Safety norms	EN61347	EN61347
EMC norms	EN55015	EN55015
Operating temperature	-30° C / +50° C	-30° C / +50° C
Protection against water	IP20	IP20
Quantity single package	1 pc	1 pc
Weight single package	448 g	582 g
Package Type	Plastic bag	Plastic bag
Quantity per carton	32 pcs	32 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	1152 pcs	1152 pcs
Expected lifetime at 25°C	497.000 hrs	303.000 hrs
Warranty	3 years	3 years



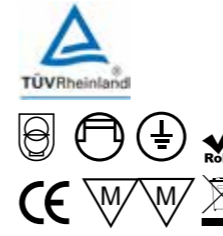
All values are measured at 230V (+/- 7%)

24V Star installation (Connection box)


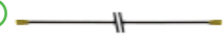
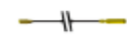
Concrete ceiling



	11 	11 
	Max 4 spots	Max 7 spots
Article number	06IL704000000002	06IL704100000002
Description	Meanwell DR60 24V 60W	Meanwell DR100 24V 100W
Measurements	100x60x85 mm	100x93x56 mm
Input voltage	88-264V~ 50/60 Hz	88-264V~ 50/60 Hz
Output voltage	24Vdc SELV	24Vdc SELV
Efficiency	88%	91%
Safety norms	EN60950	EN60950
EMC norms	EN55022	EN55022
Operating temperature	-20° C / +40° C	-20° C / +40° C
Protection against water	IP20	IP20
Quantity single package	1 pc	1 pc
Weight single package	296 g	342 g
Dimensions single package	80x100x63 mm	100x100x65 mm
Quantity per carton	32 pcs	32 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	1152 pcs	1152 pcs
Expected lifetime data przy 25°C	216.000 hrs	330.738 hrs
Warranty	3 years	3 years

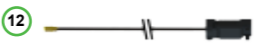


All values are measured at 230V (+/- 7%)

	9 	10 	7 
Article number	06IL639300BL0000	06IL565200BL1200	06IL535200BL1200
Description	LV cable 6 Way Distributor 1,0 m	LV Plug to Plug 2,0 m	LV Plug to Outlet (extension)
Protection against water	IP20	IP20	IP20
Voltage	24V	24V	24V
Warranty	3 years	3 years	3 years
Safety norms	EN60320	EN60320	EN60320
Quantity single package	1 pc	1 pc	1 pc
Weight single package	63 g	38 g	34 g
Package Type	Plastic bag	Plastic bag	Plastic bag
Quantity per carton	120 pcs	160 pcs	160 pcs
Dimensions carton	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)	400x300x380 mm (0.046 m³)
Quantity per pallet	3840 pcs	5120 pcs	5120 pcs



All values are measured at 230V (+/- 7%)

	12 
Article number	06IL555200BL0000
Description	LV Plug to Connection box
Protection against water	IP20
Voltage	24V
Warranty	3 years
Safety norms	EN60320
Quantity single package	1 pc
Weight single package	32 g
Package Type	Plastic bag
Quantity per carton	160 pcs
Dimensions carton	400x300x380 mm (0.046 m³)
Quantity per pallet	5120 pcs



All values are measured at 230V (+/- 7%)



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